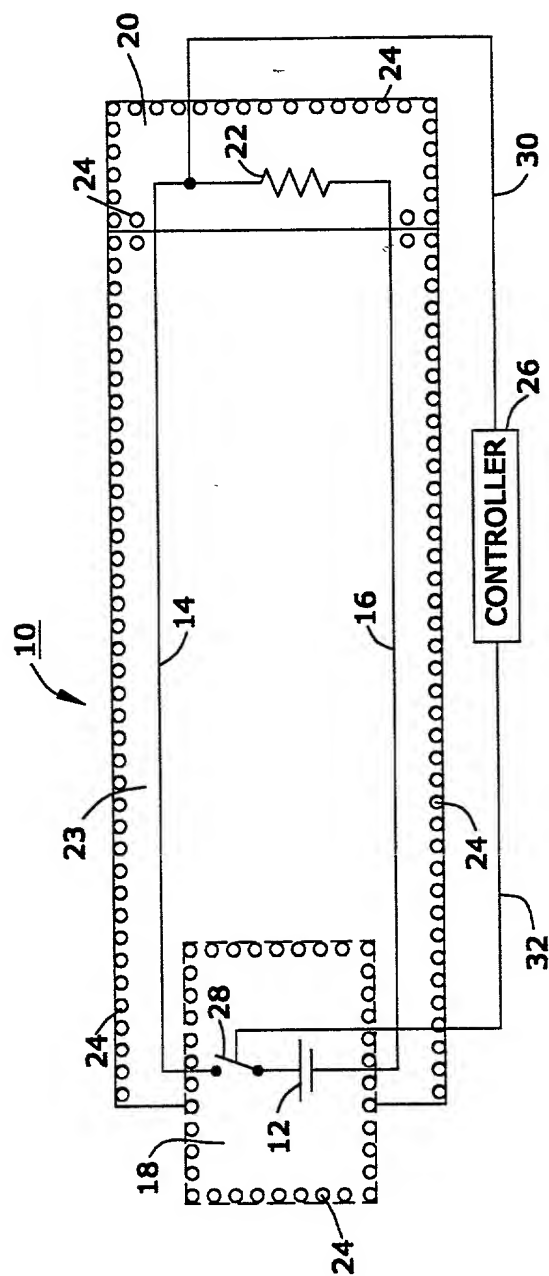
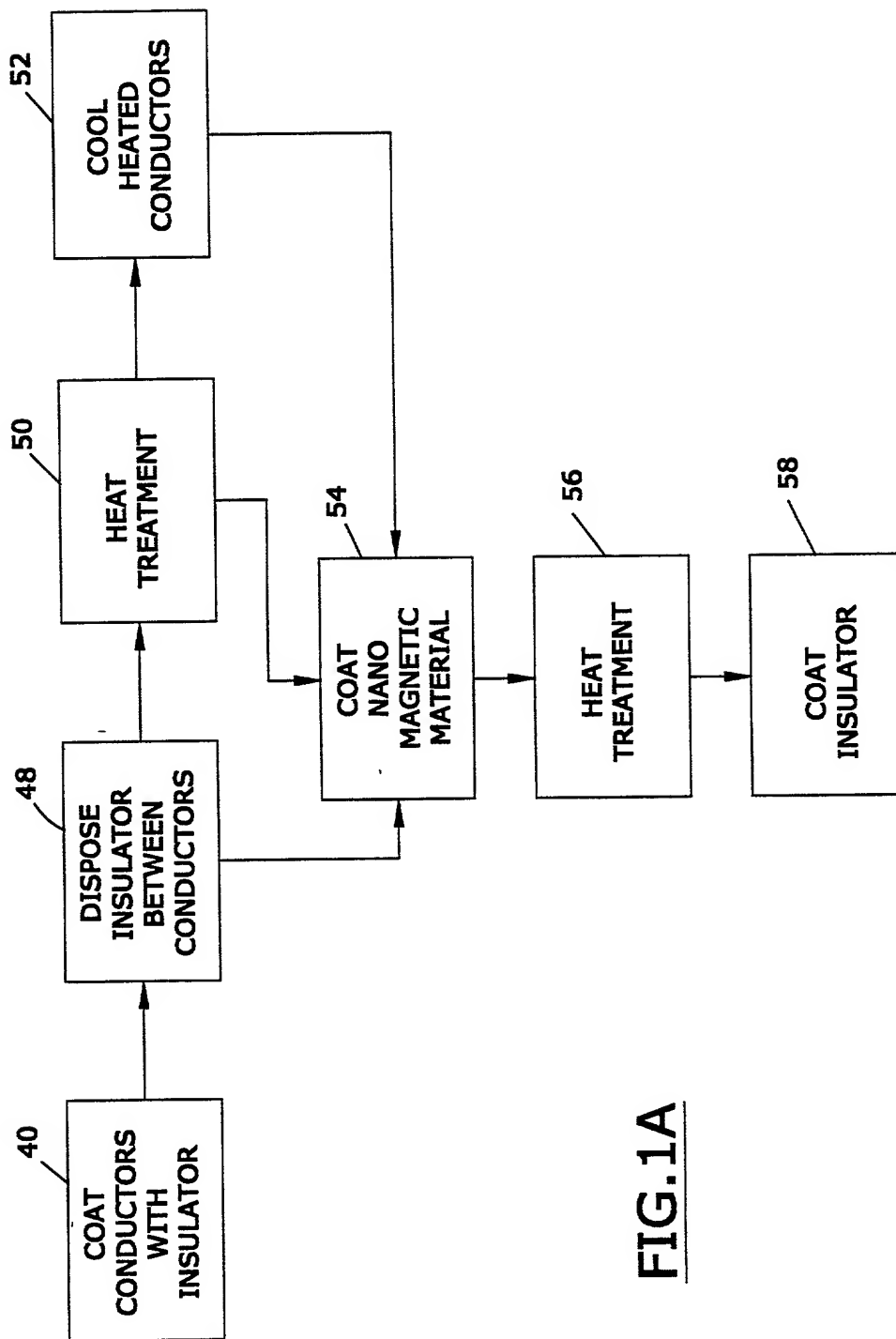


FIG. 1 is a schematic diagram of a system 10 for monitoring a process. The system 10 includes a sensor 12, a controller 26, and a display 30. The sensor 12 is connected to the controller 26, which is connected to the display 30. The sensor 12 is also connected to a power source 14. The power source 14 is connected to the sensor 12 and the controller 26. The display 30 is connected to the controller 26. The system 10 is used to monitor a process and provide feedback to the controller 26.



**FIG. 1**



**FIG.1A**

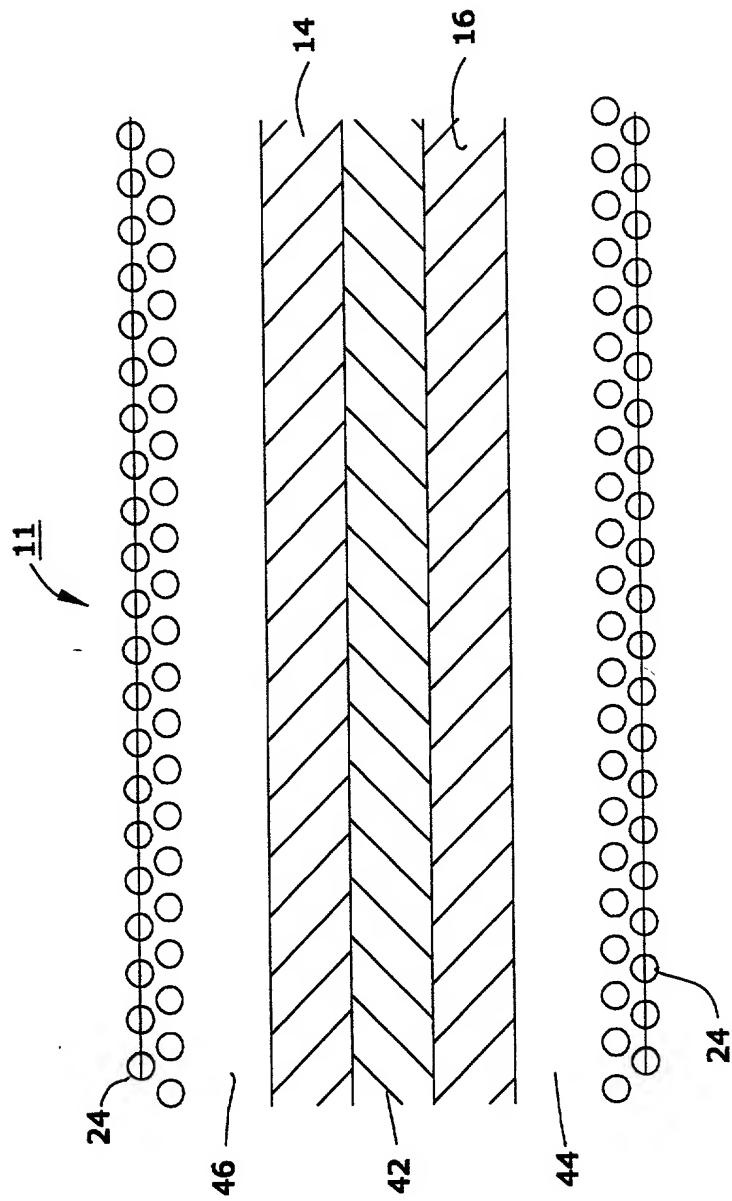
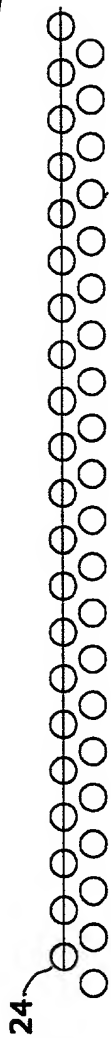
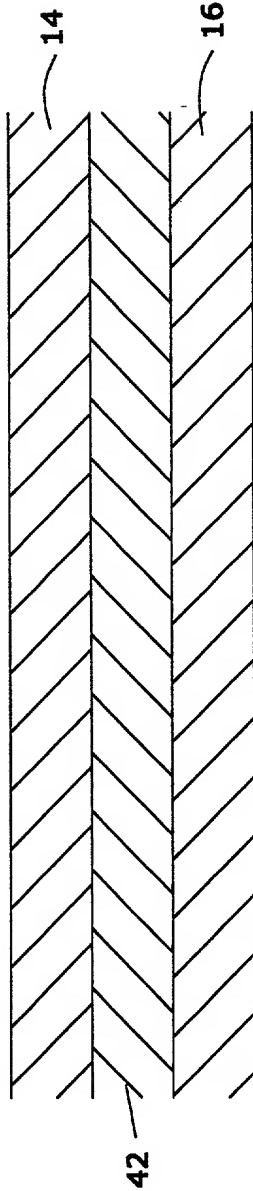


FIG.2

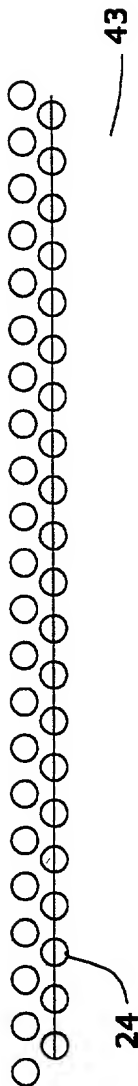
43



46

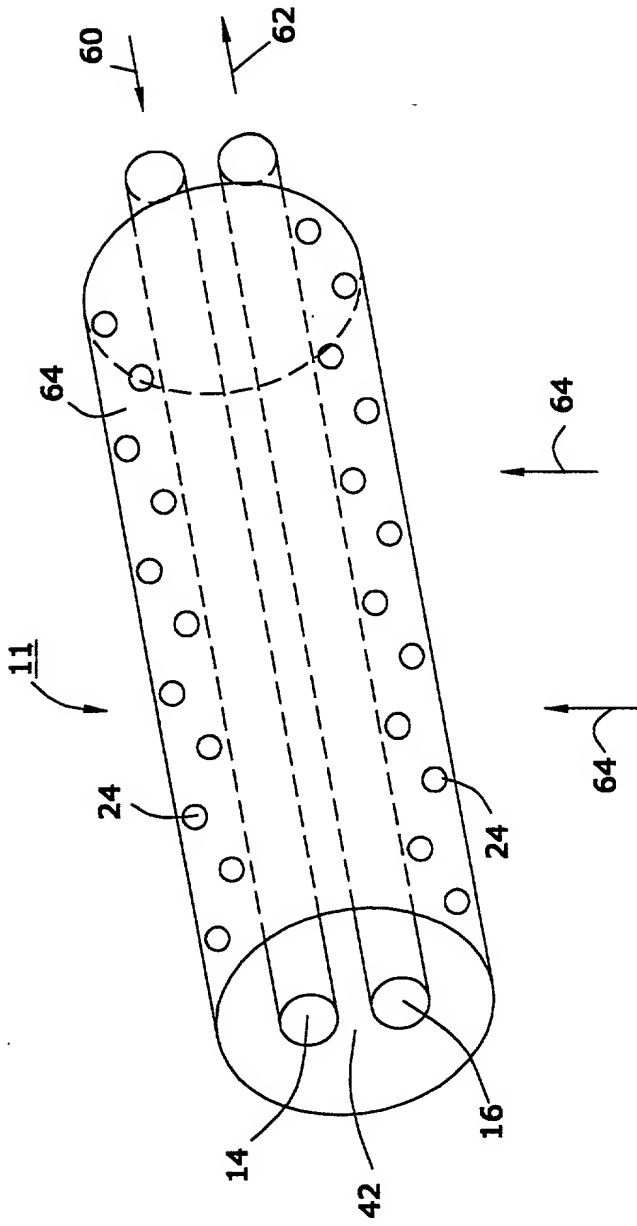


44

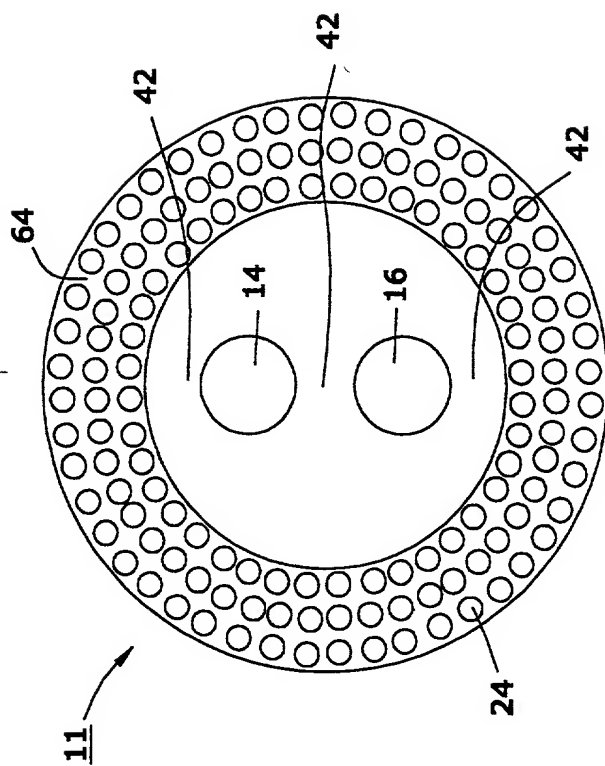


43

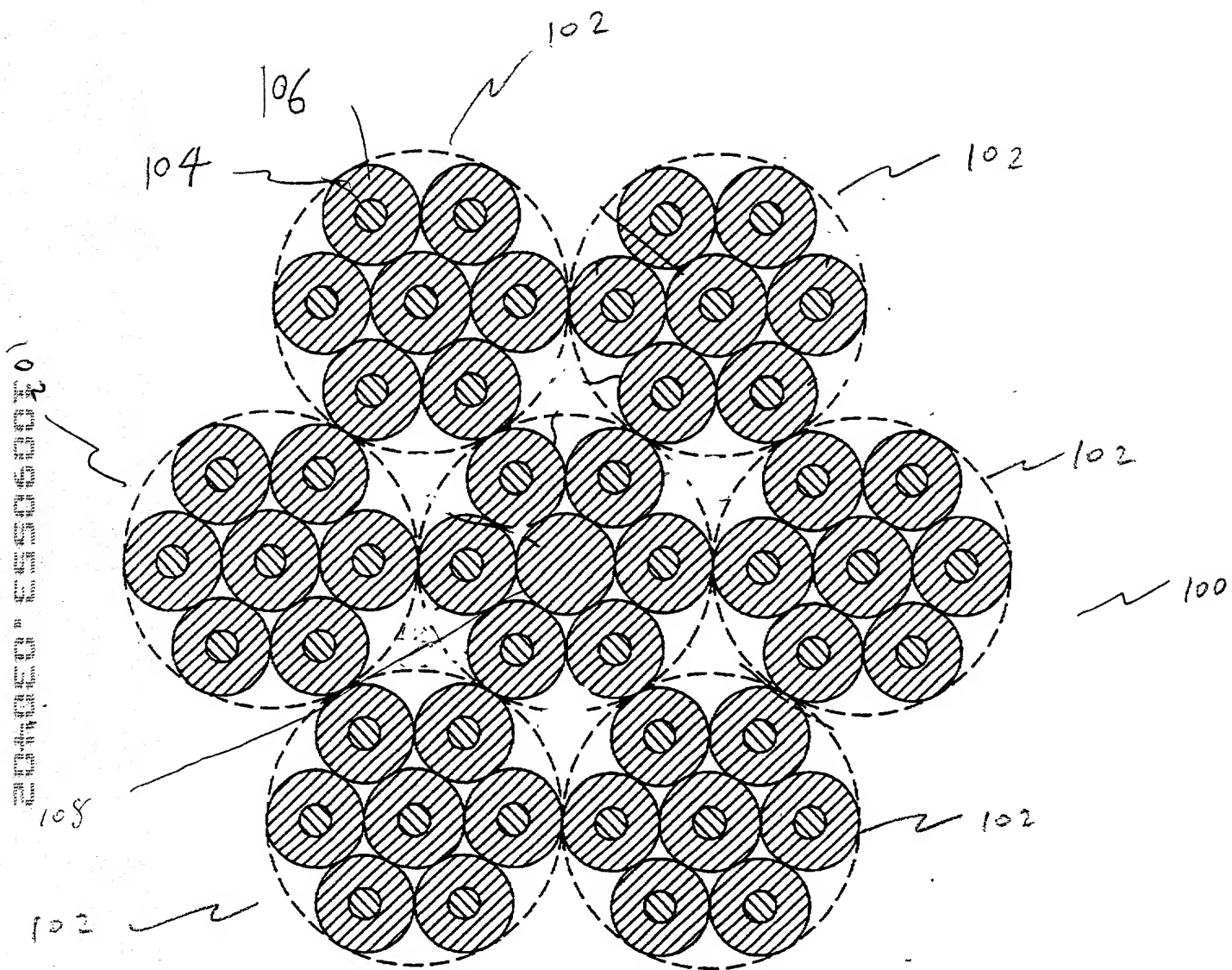
**FIG.3**



**FIG. 4**



**FIG. 5**



FIGUR 6A

FIG. 6B

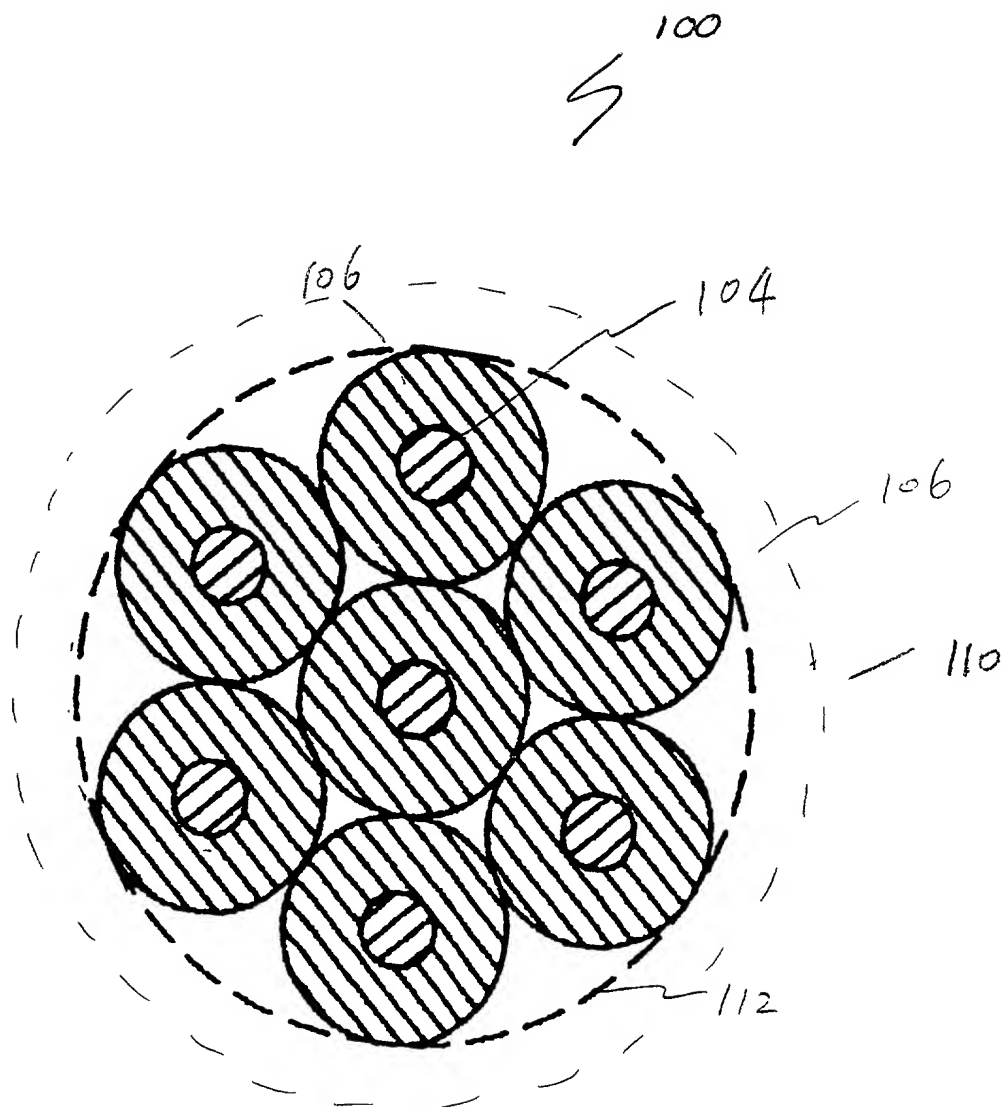


FIGURE 6B





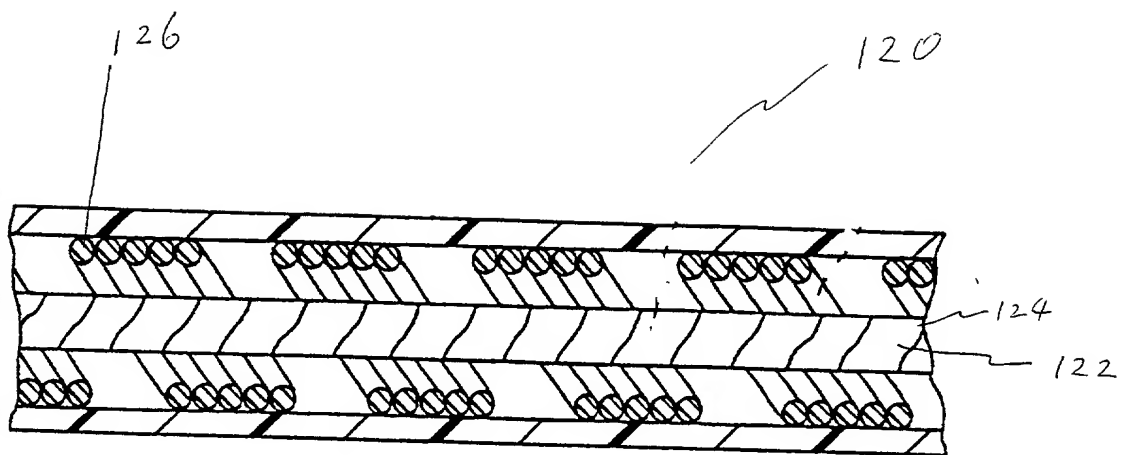


FIGURE 7A

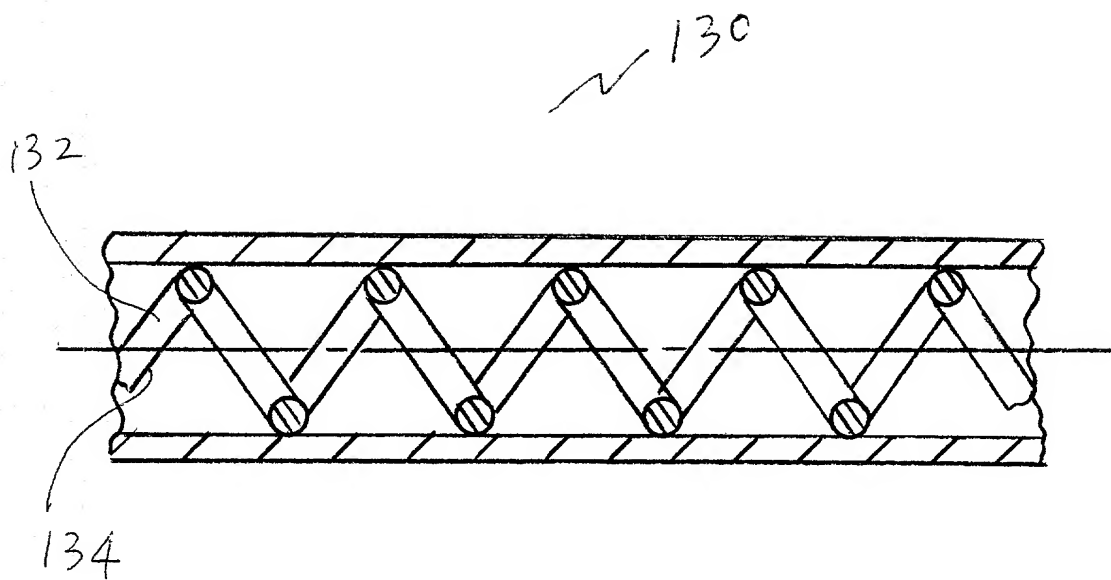


FIGURE 7B

140

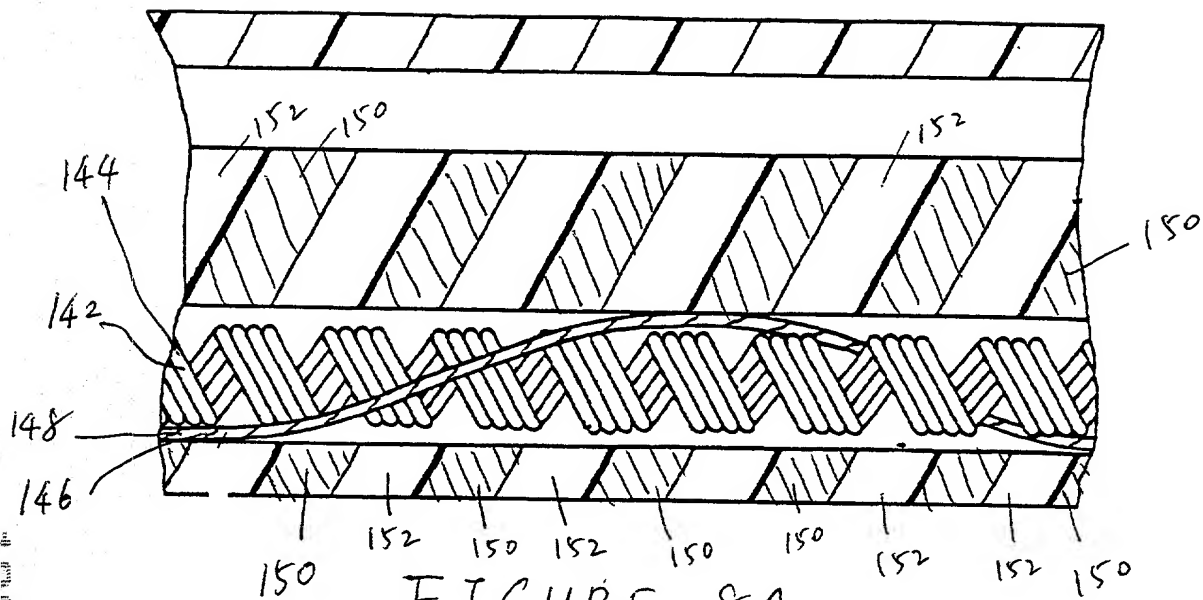


FIGURE 8A

160

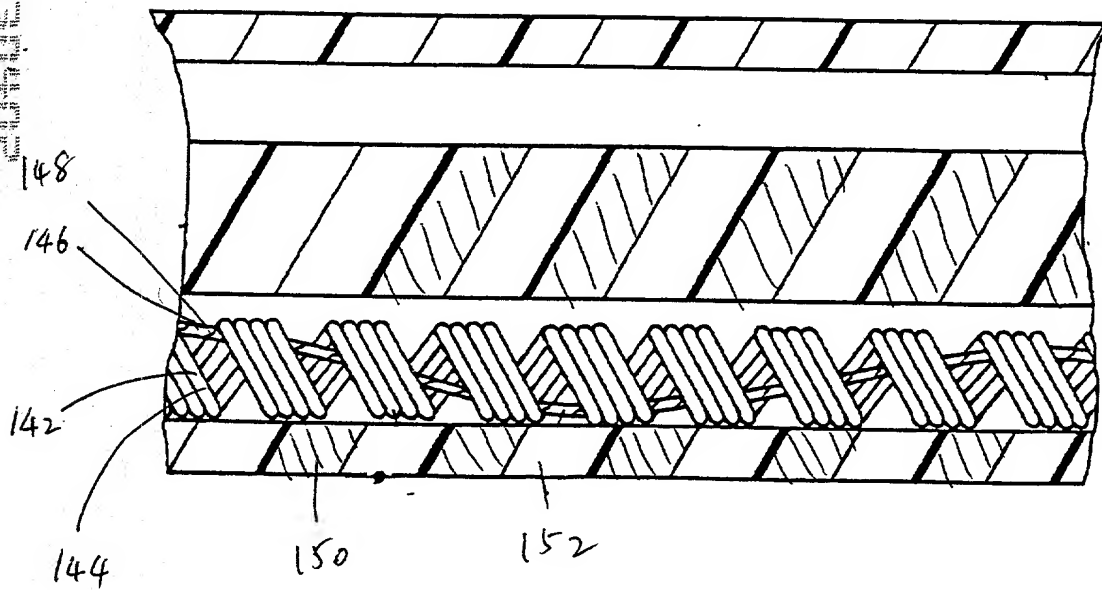


FIGURE 8B

~ 170

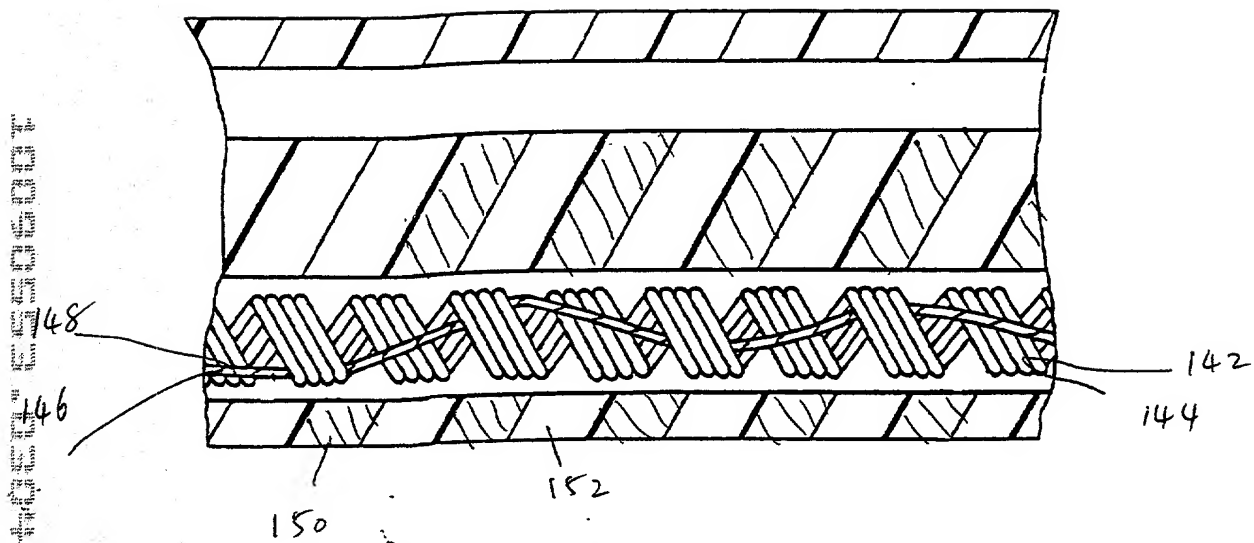


FIGURE 8C

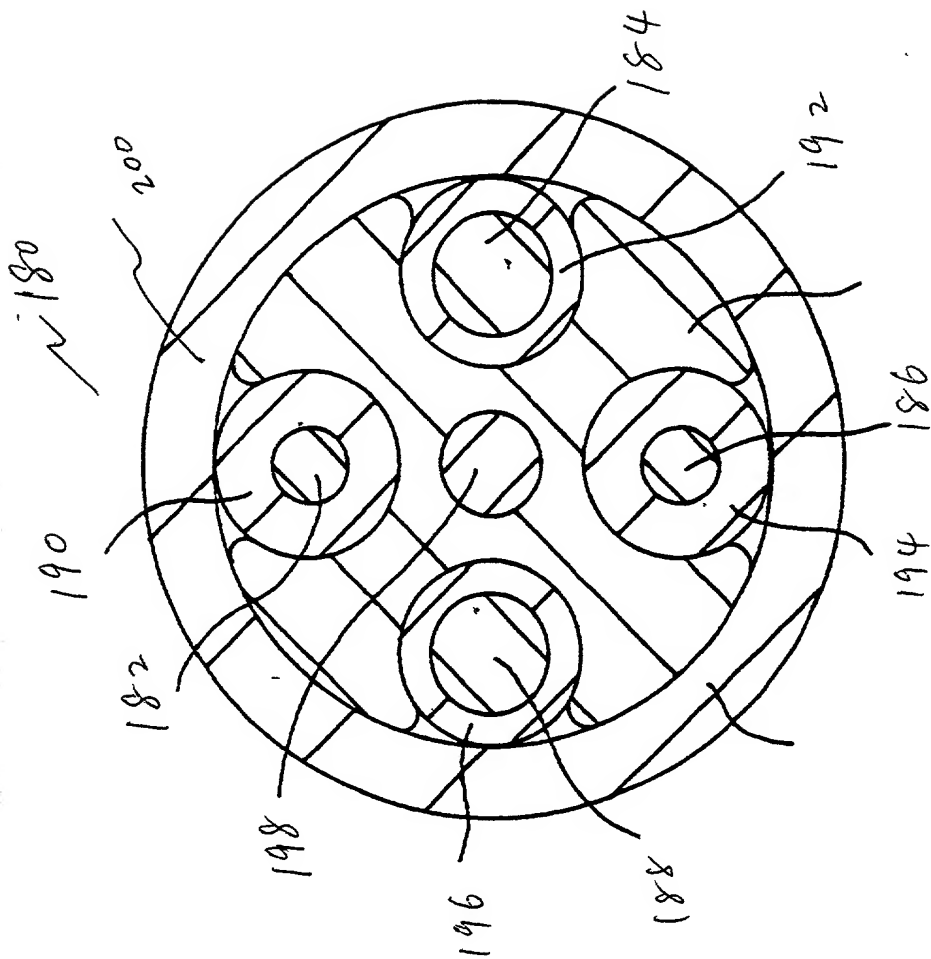


FIGURE 9A

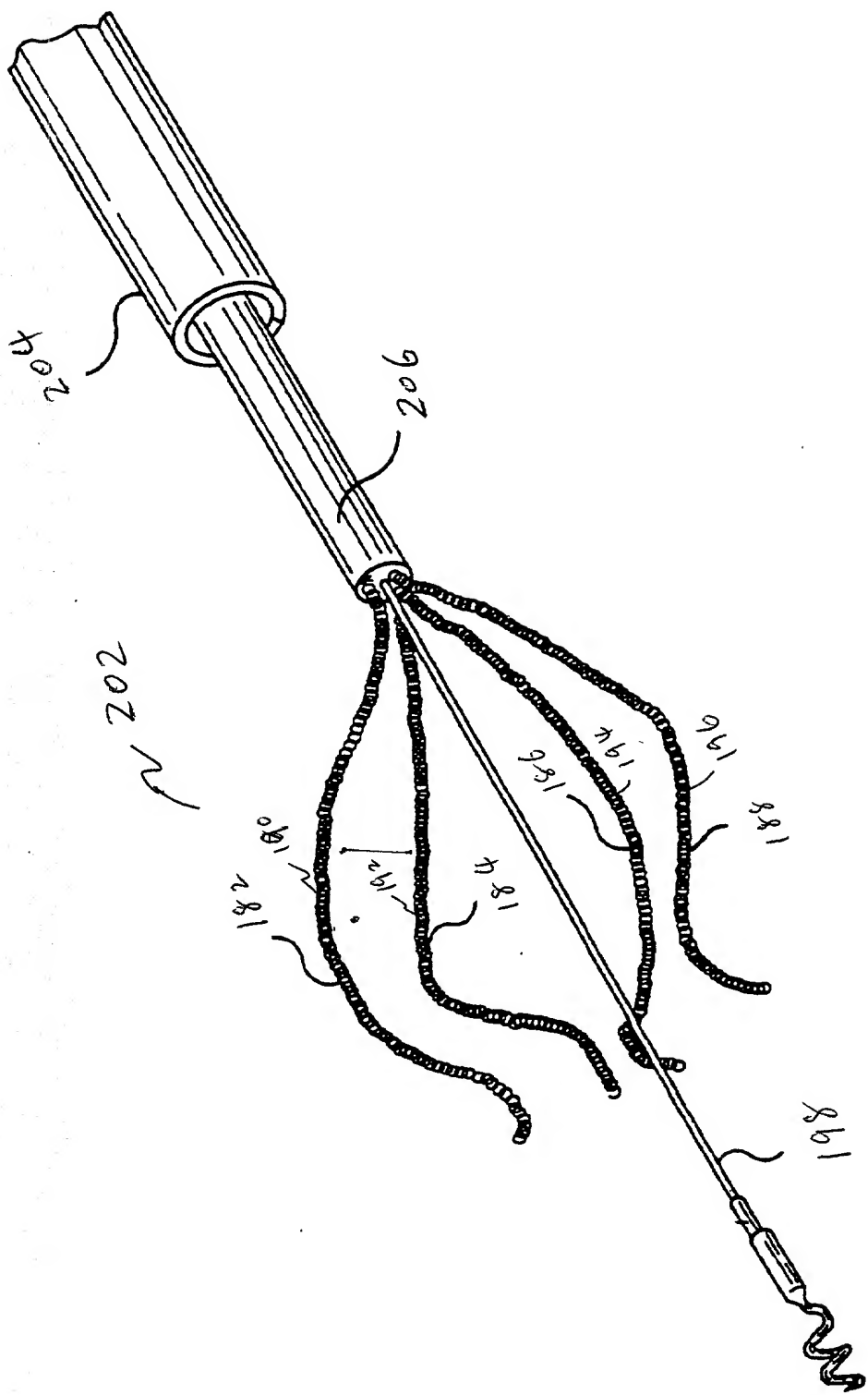


FIGURE 9B

220

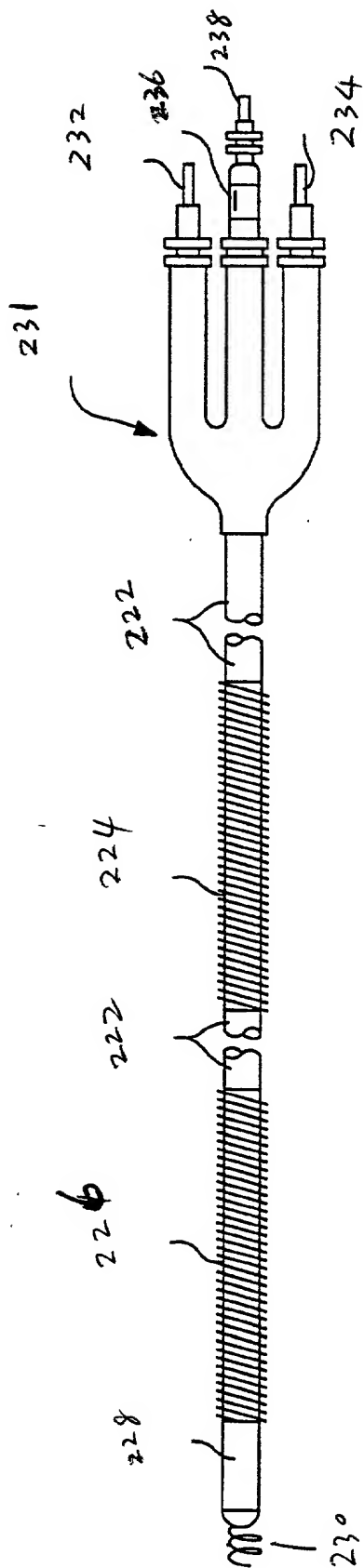


FIGURE 10



FIG. 11 is a cross-sectional view of the device in accordance with the present invention.

240

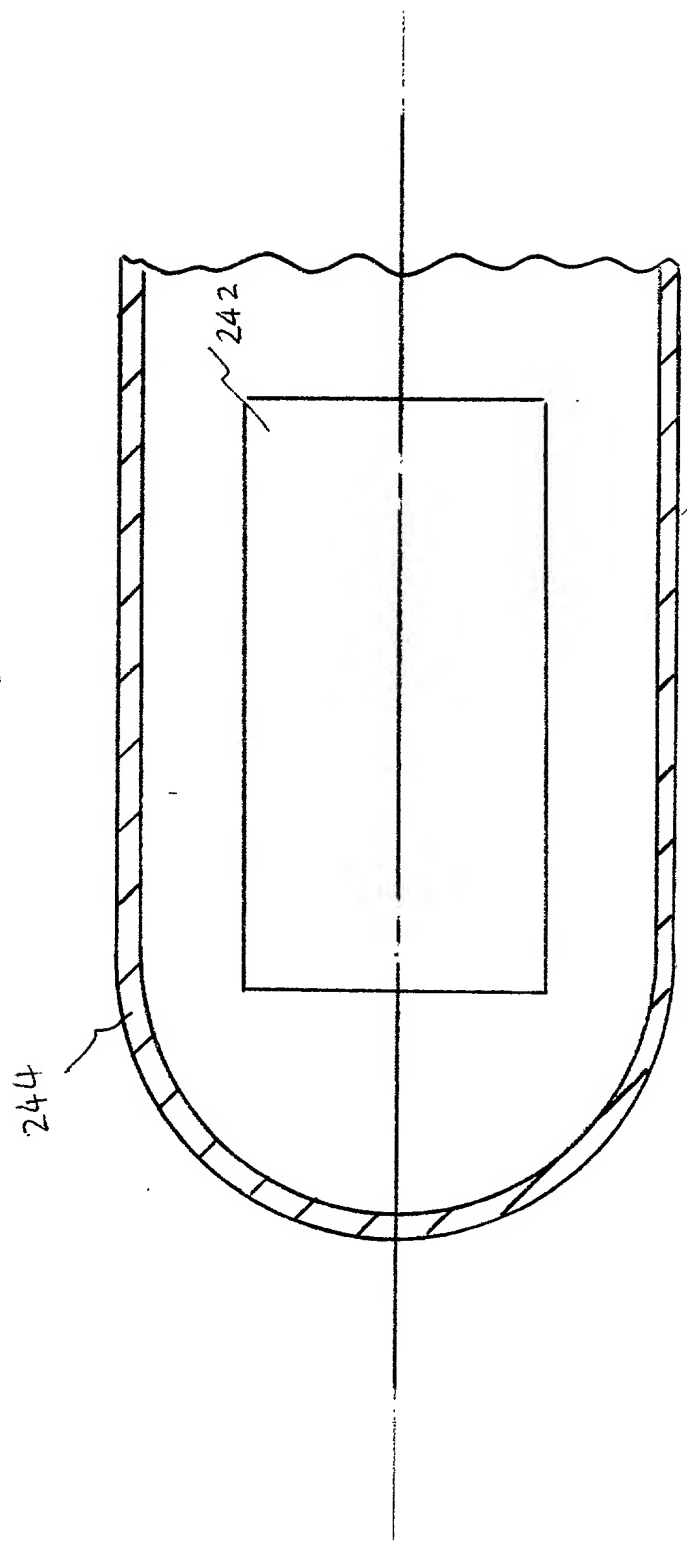


FIGURE 11

FIGURE 12A

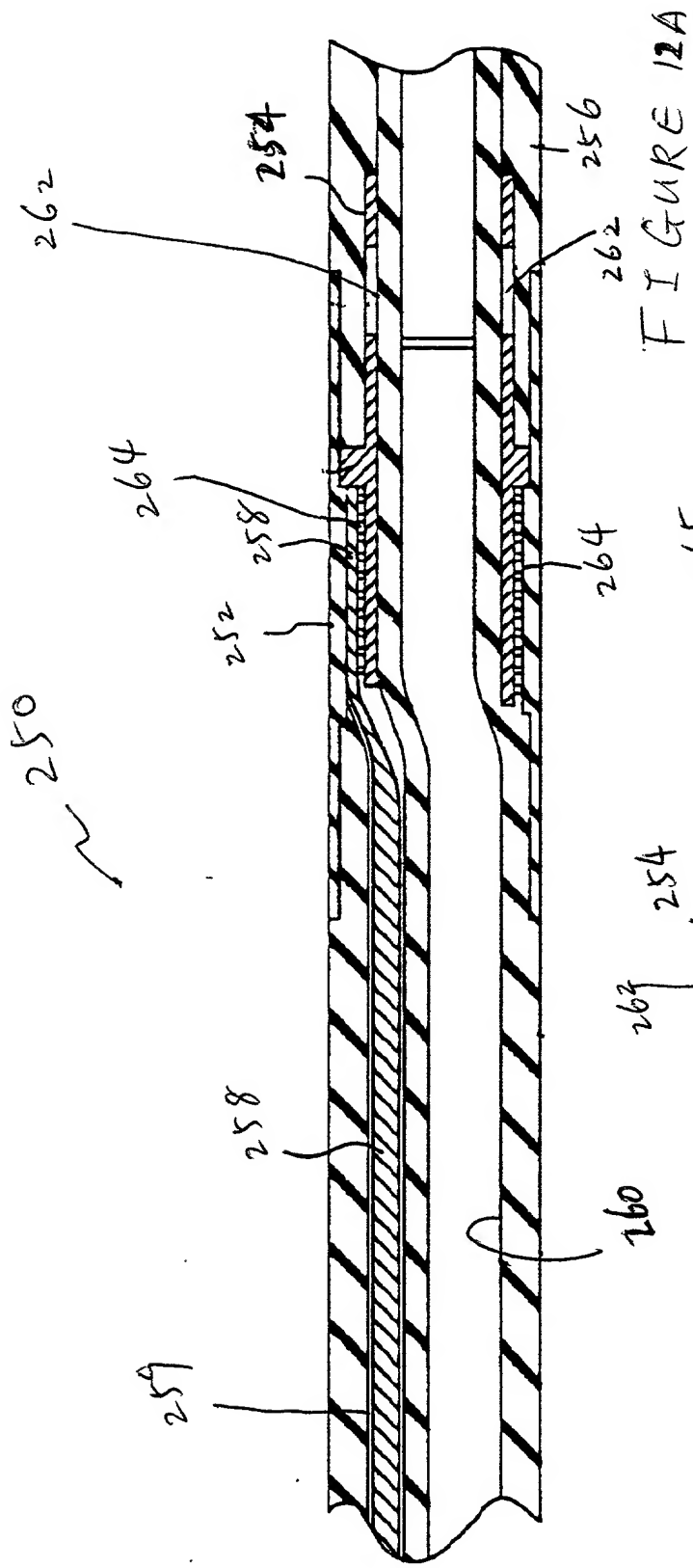


FIGURE 12A

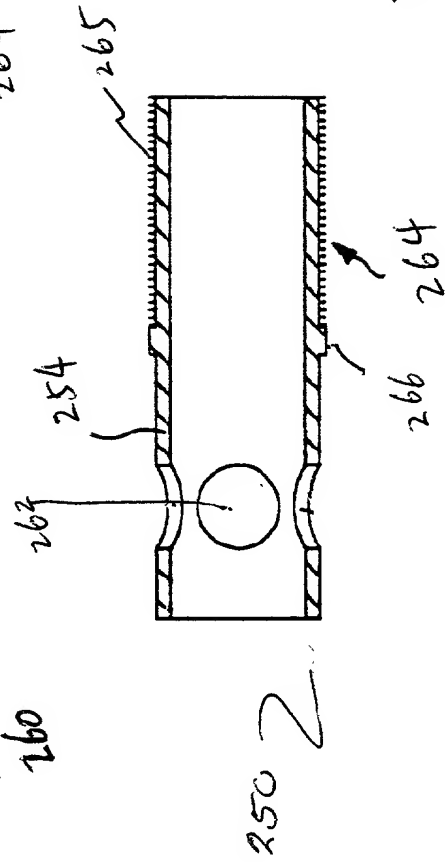


FIGURE 12B

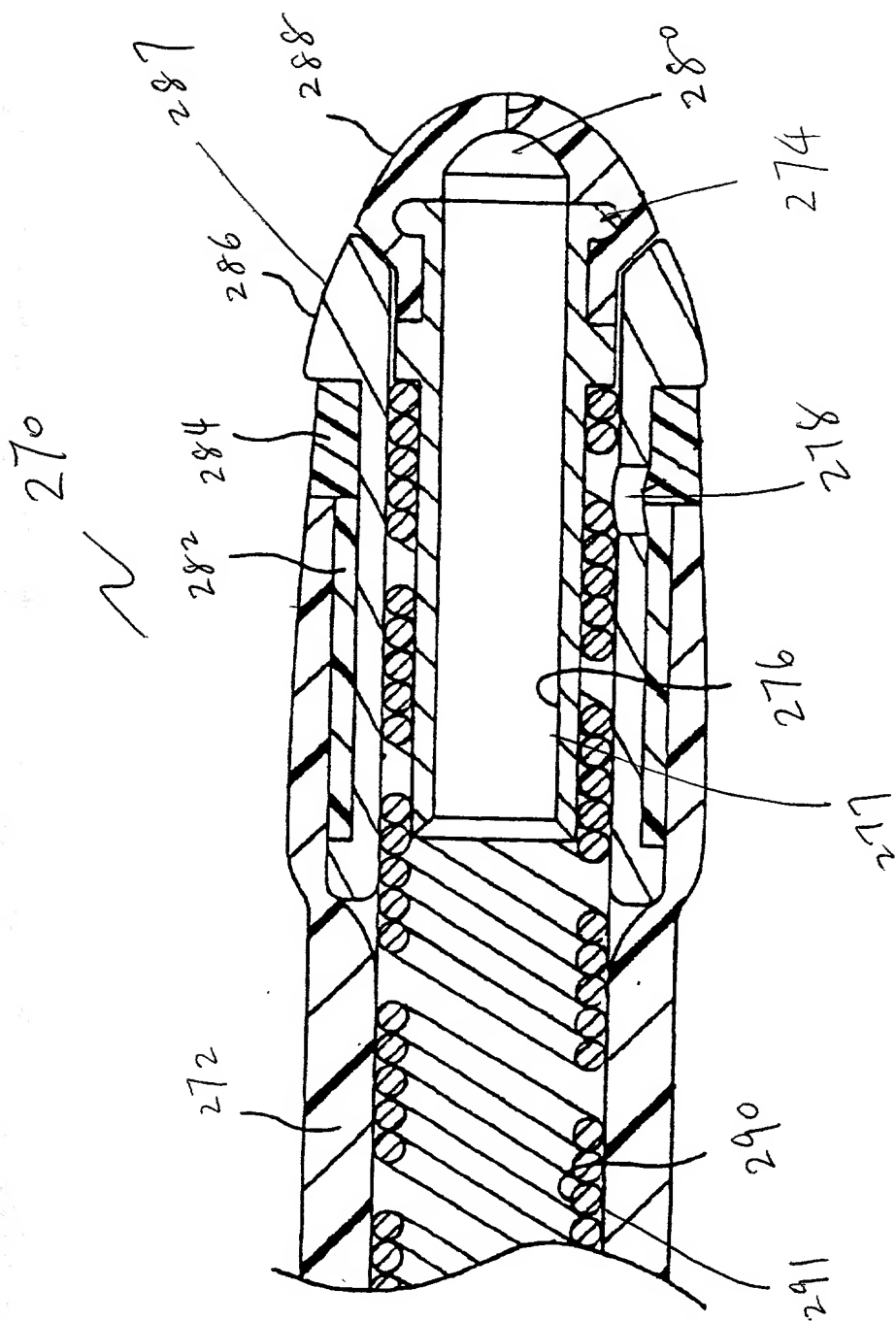


FIGURE 12C

300

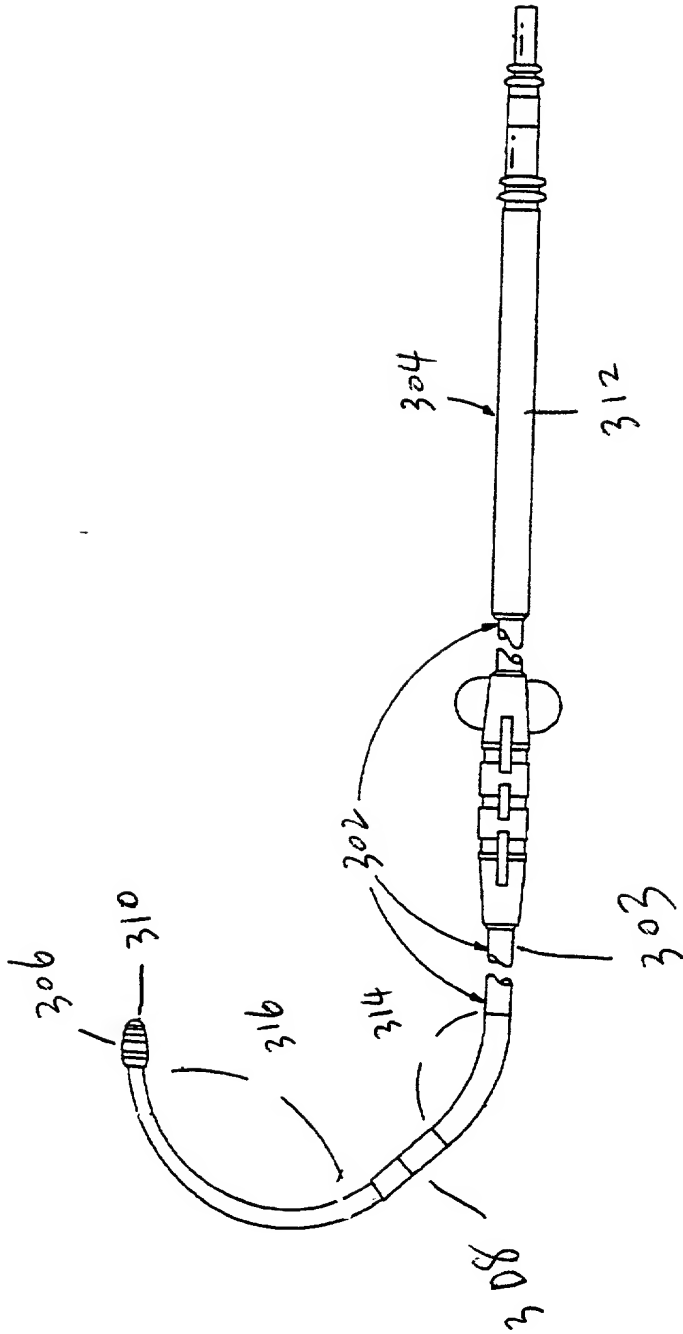


FIGURE 13A

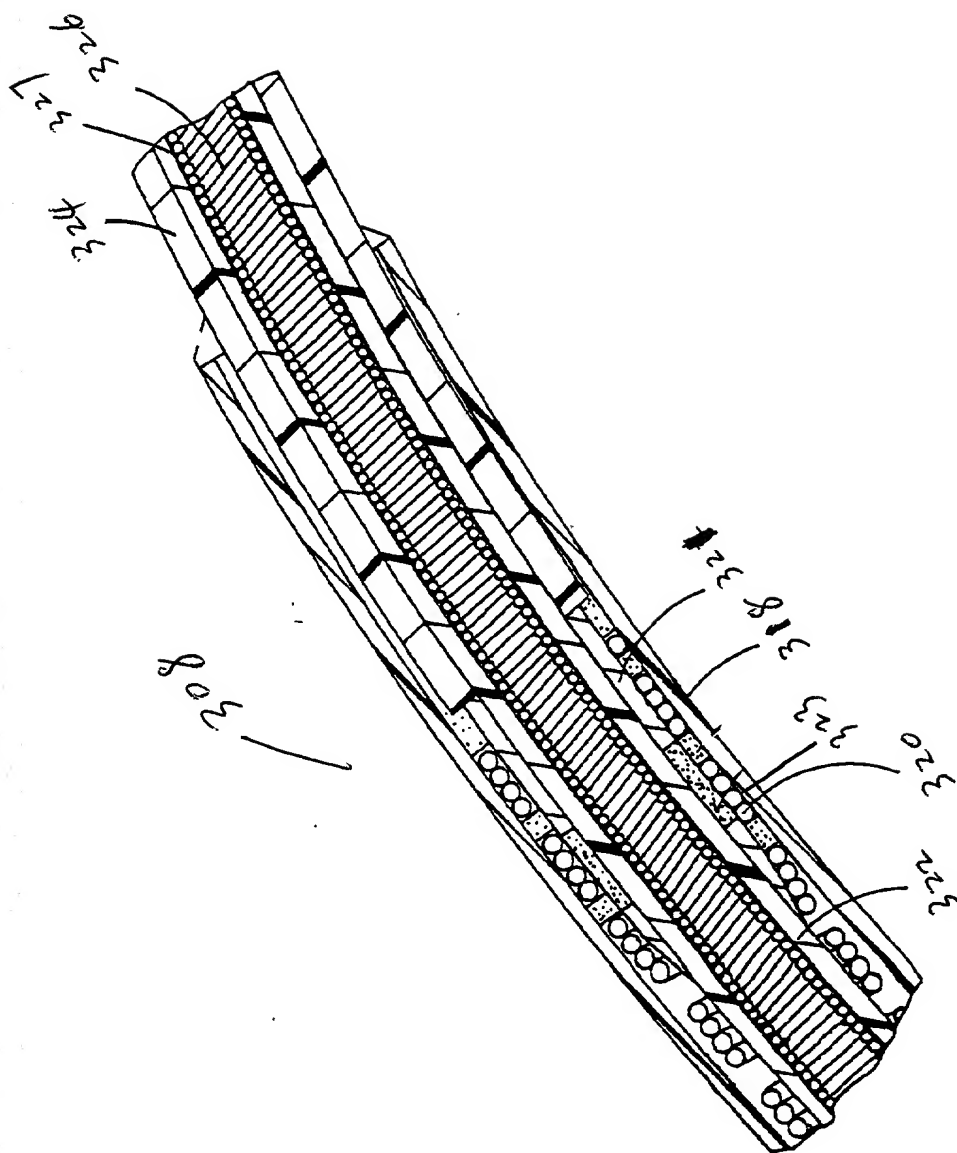


FIGURE 13B

~ 330

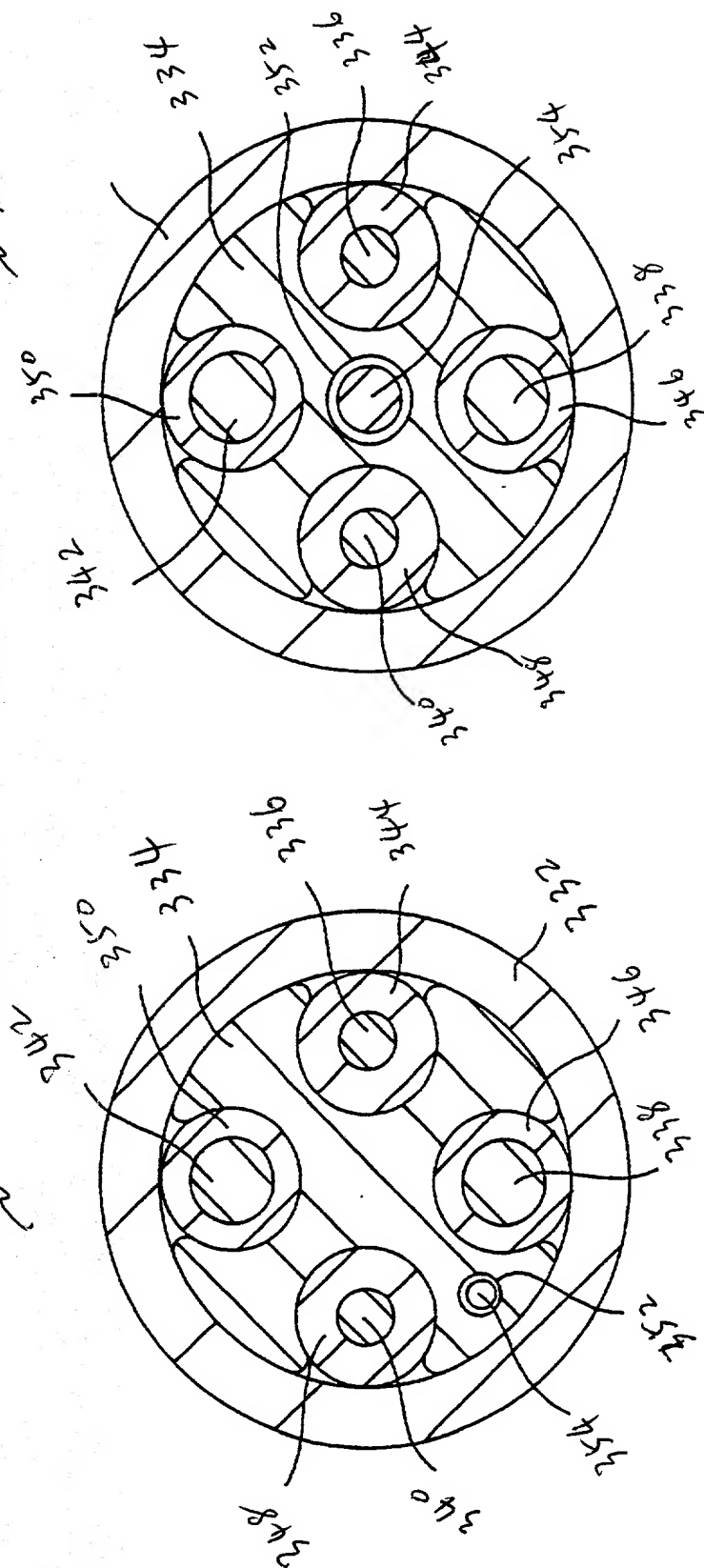


FIGURE 13C

~ 370

FIGURE 13D

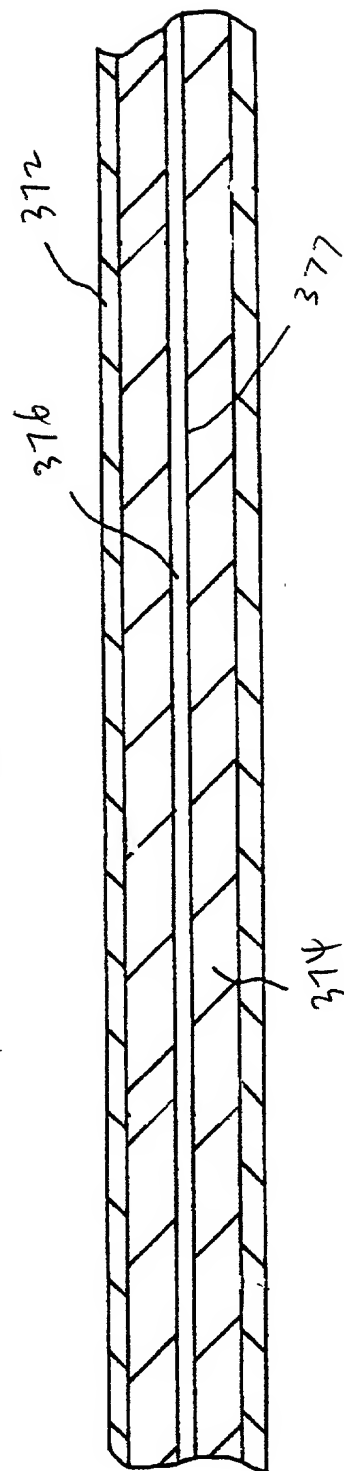


FIGURE 13E

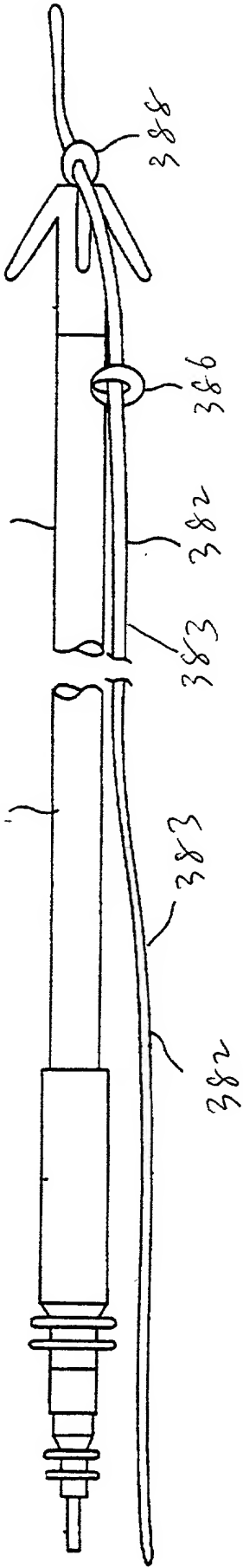


FIGURE 14A

390

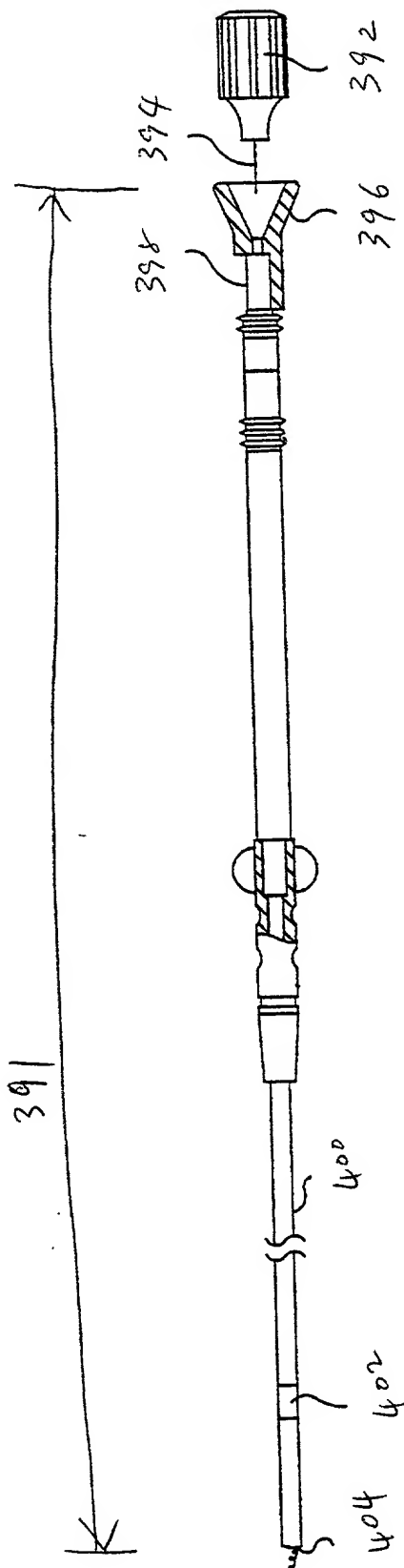


FIGURE 14B



FIG. 14C is a schematic diagram of a curved member 410 in a bent configuration. The member 410 is shown as a curved line with arrows indicating forces or moments applied at its ends 414 and 416. A dashed line 420 represents the original straight configuration of the member. A bracket 422 indicates the deflection of the member from its original position.

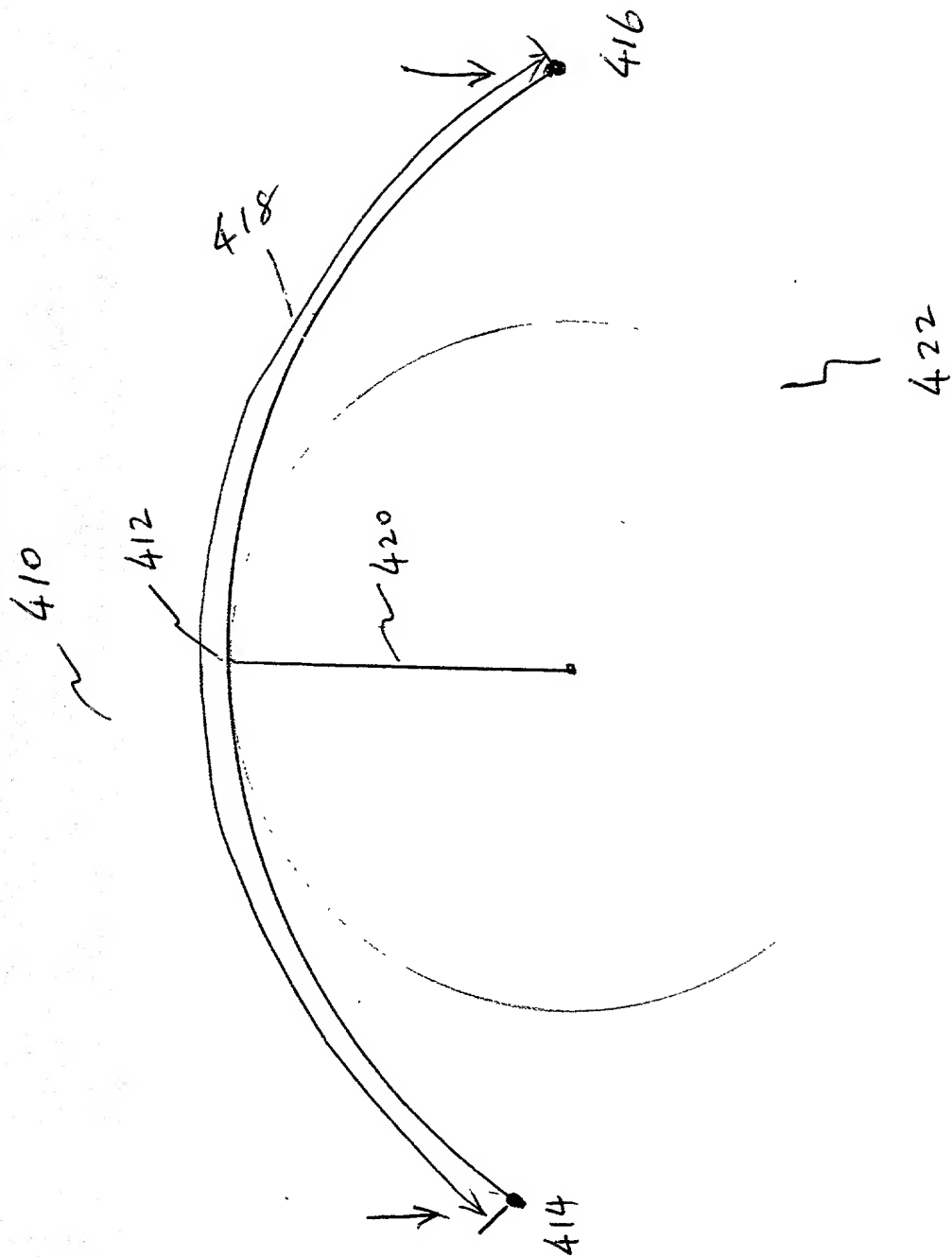


FIGURE 14C

430

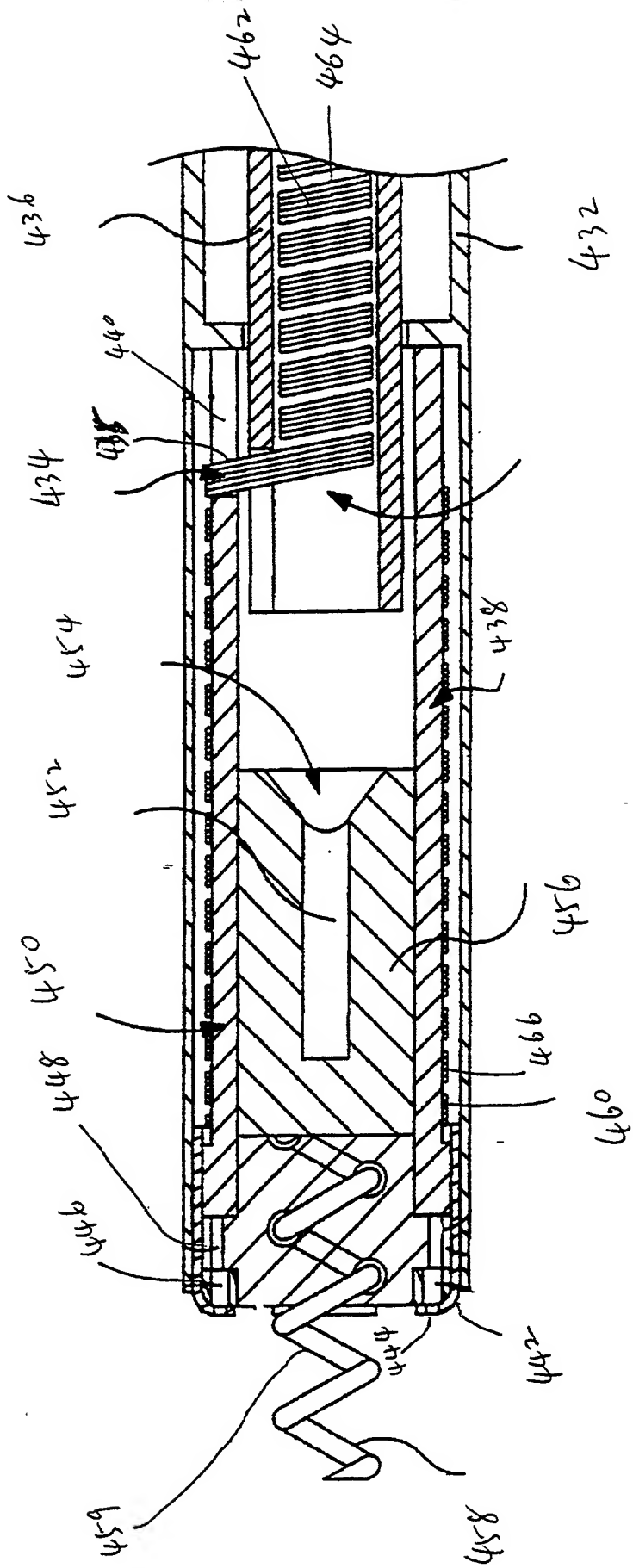


FIGURE 14D

470

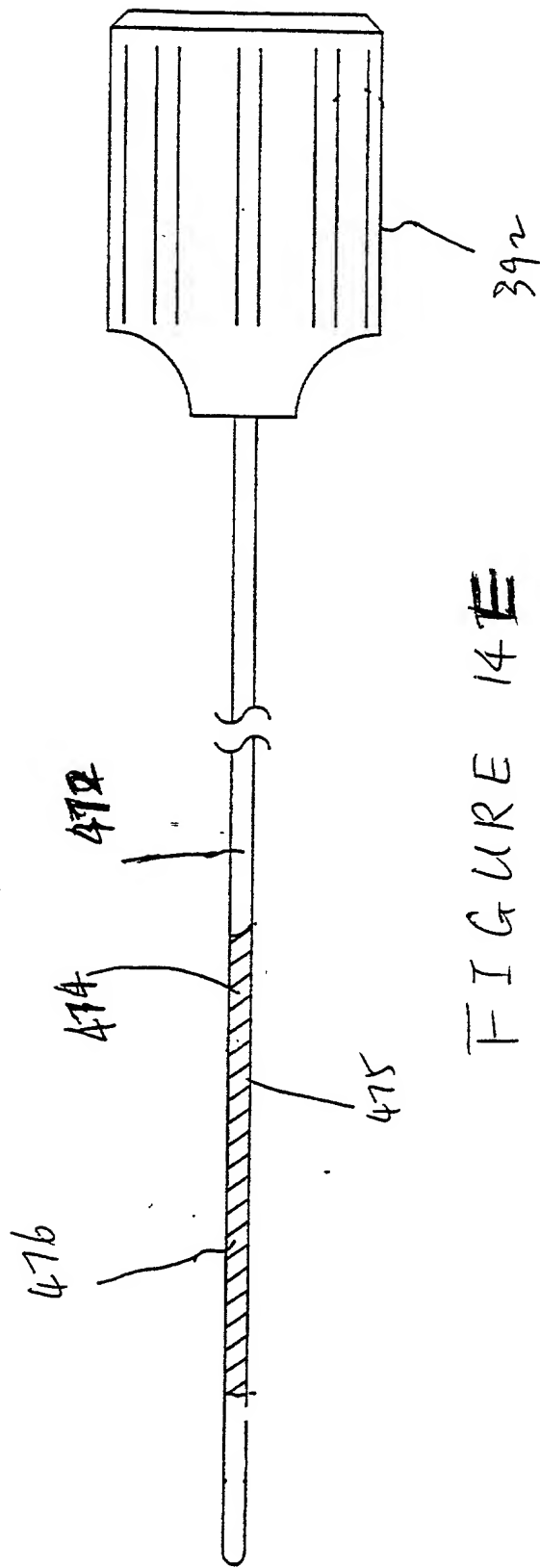


FIGURE 14E

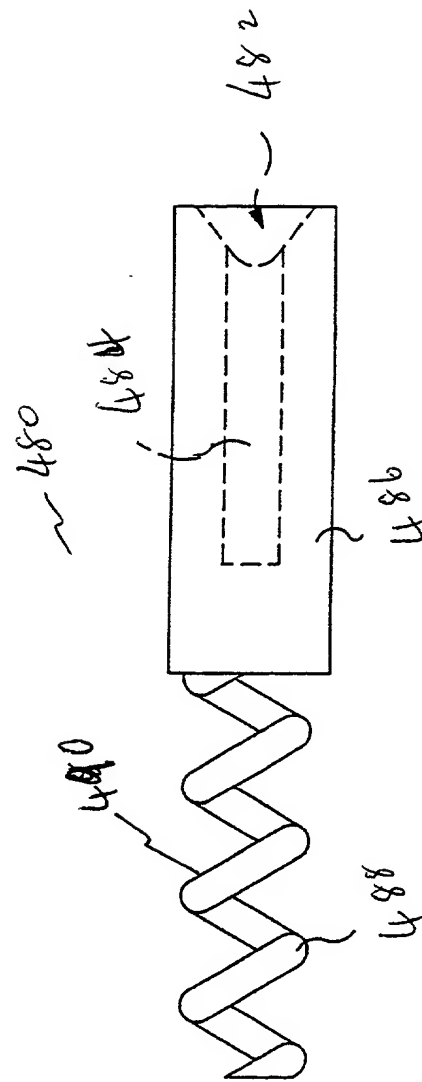


FIGURE 14F

~ 500

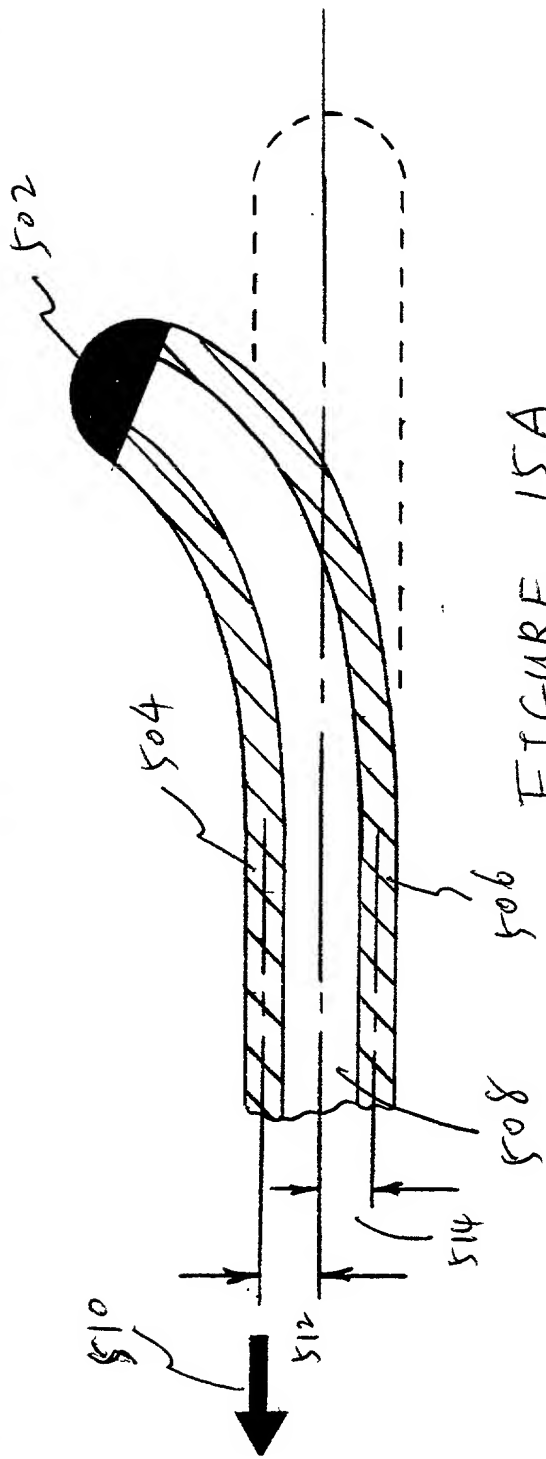


FIGURE 15A

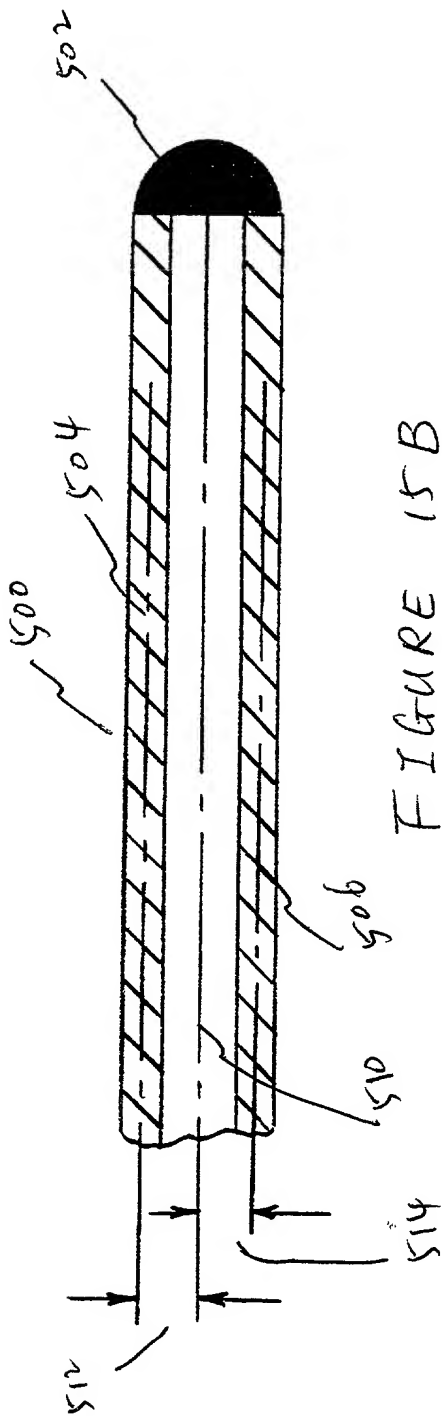


FIGURE 15B

520

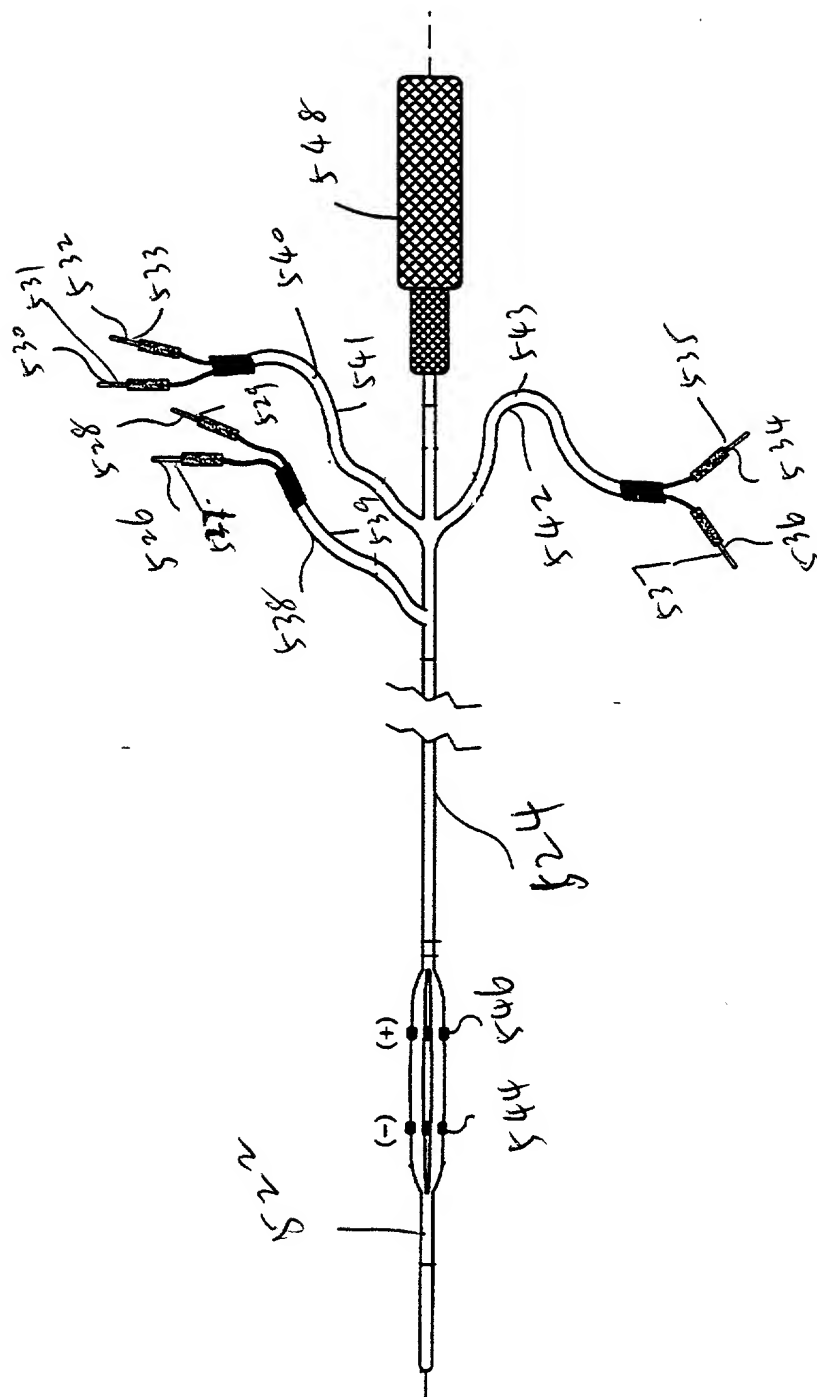


FIGURE 16 A

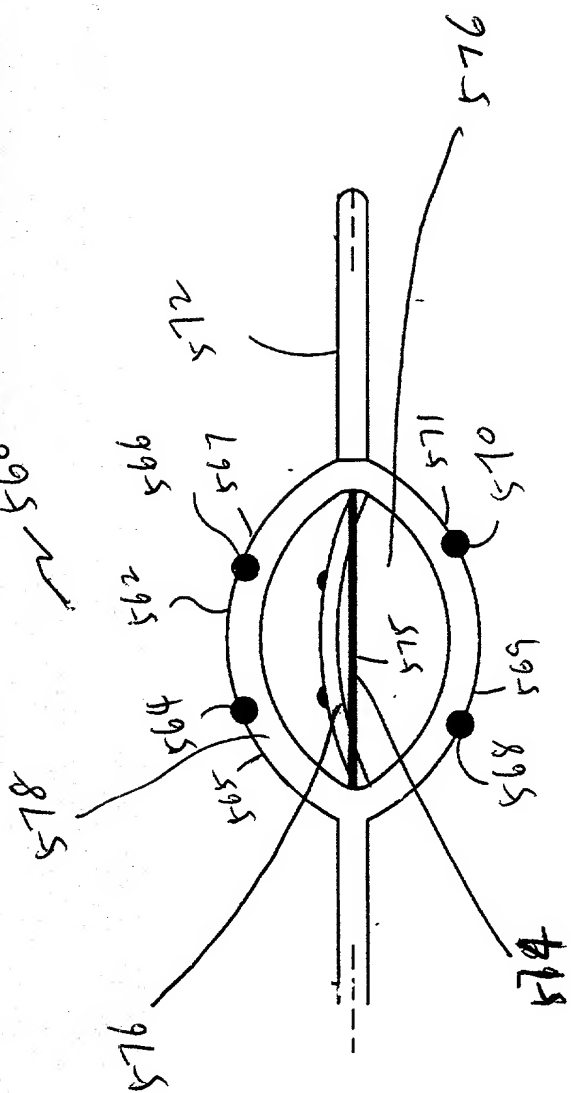


FIGURE 16 B

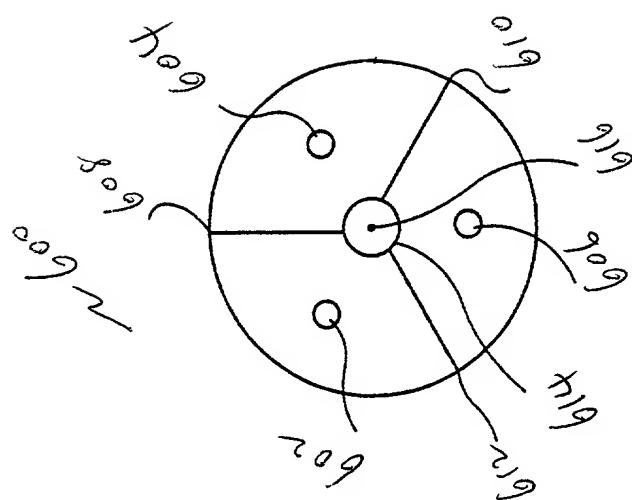


FIGURE 16D

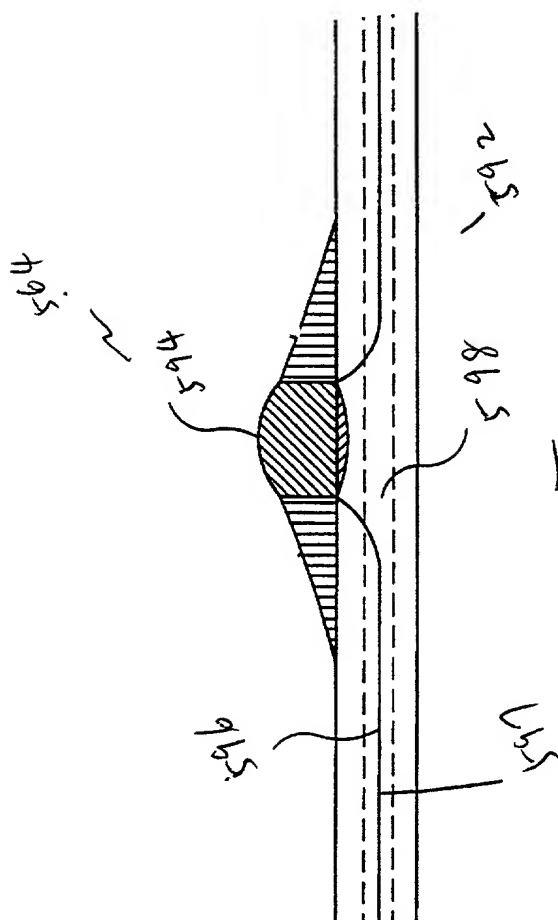


FIGURE 16 C

620  
 626  
 622  
 628  
 632  
 634  
 636  
 624  
 622  
 628  
 626  
 634  
 636  
 624

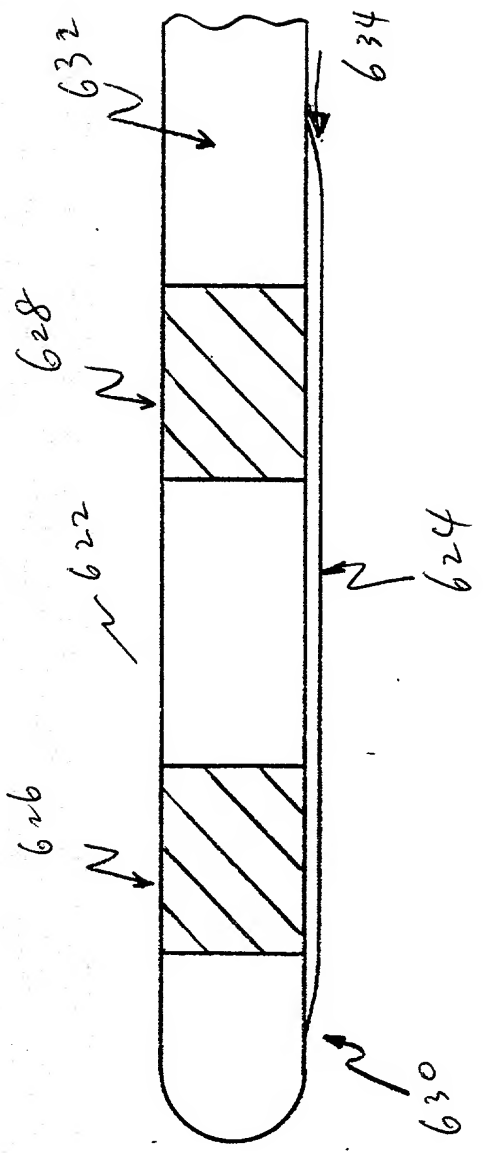


FIGURE 16E

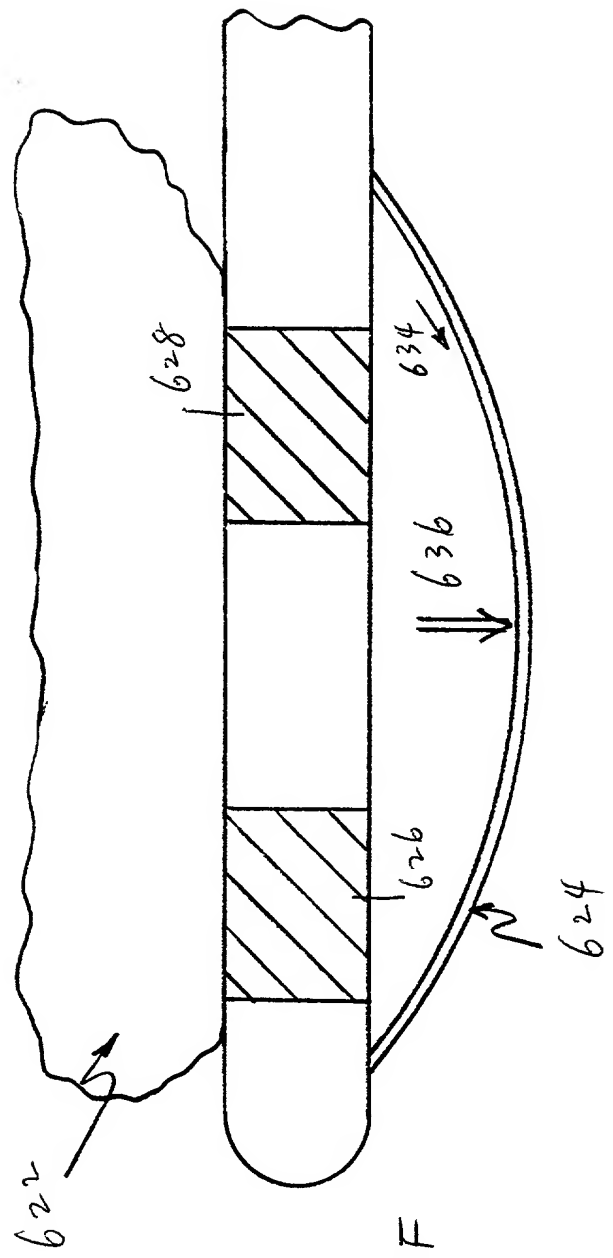


FIGURE 16F

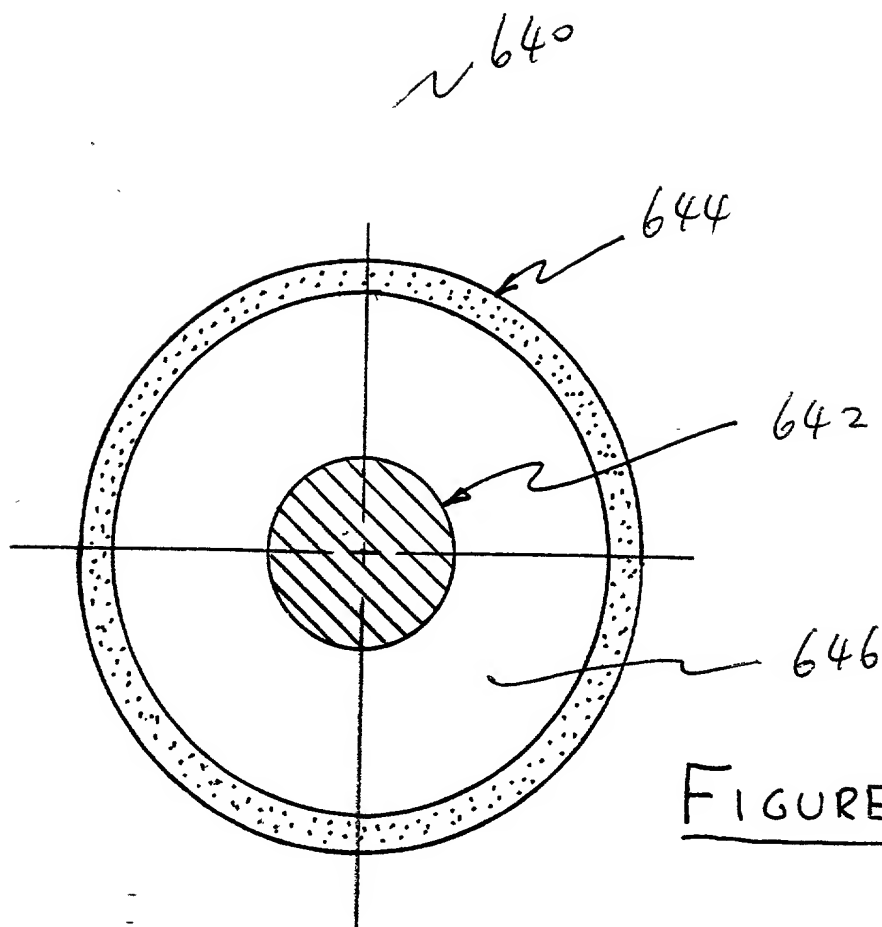


FIGURE 17a

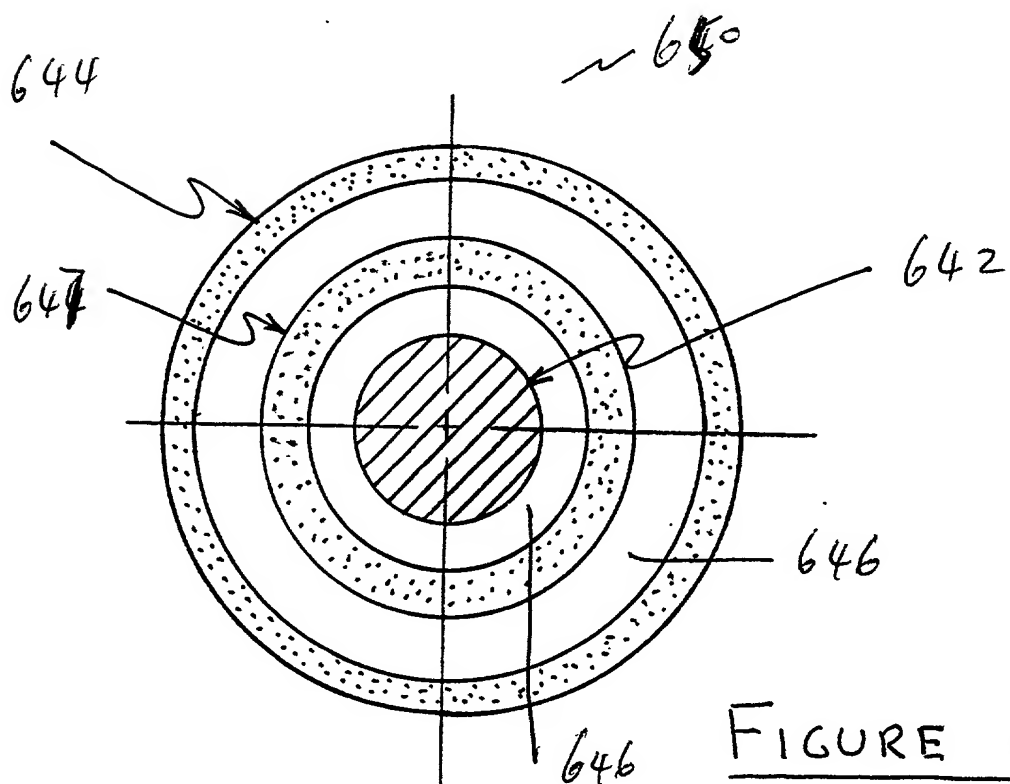


FIGURE 17b



FIGURE 17c

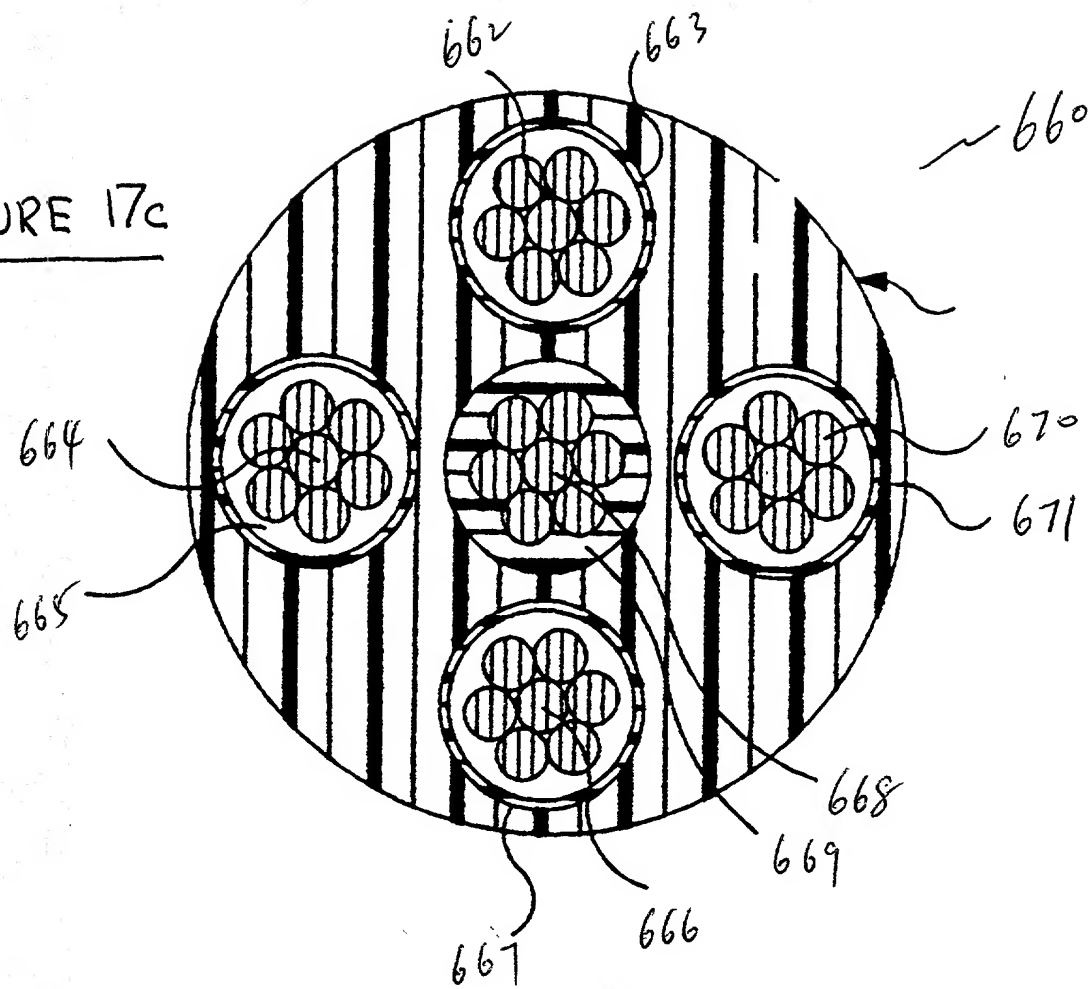


FIGURE 17c

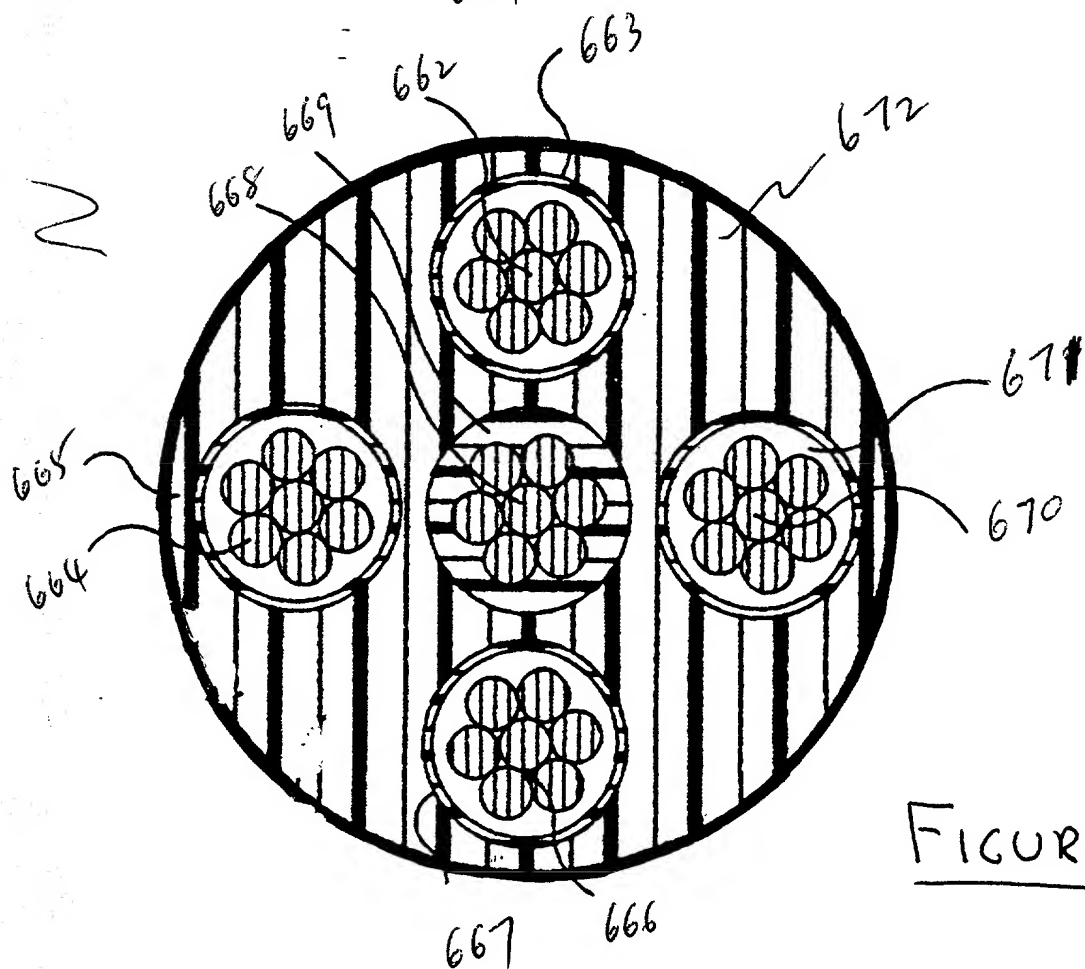


FIGURE 17d

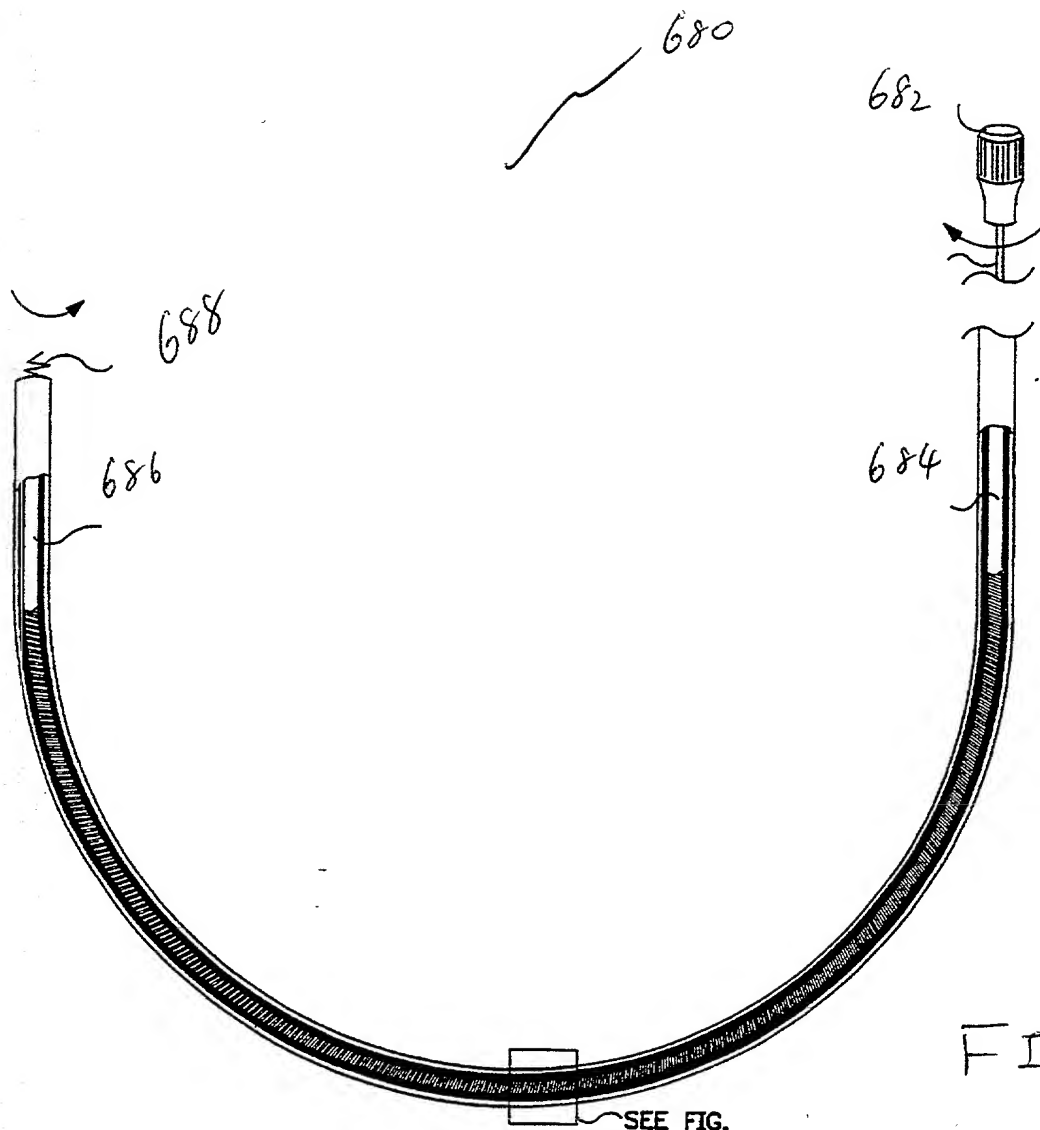


FIGURE 17E

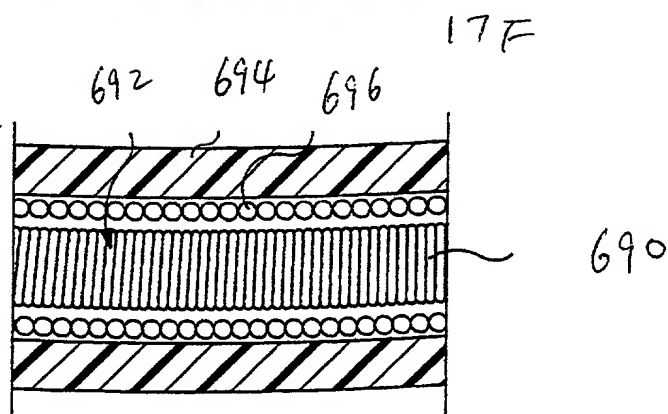


FIGURE 17F



708

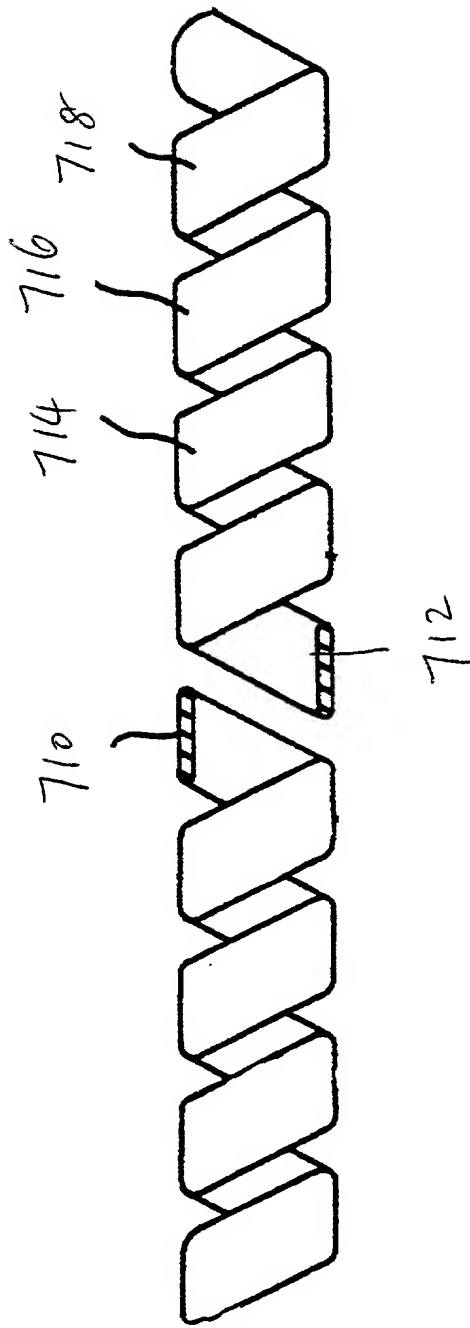


FIGURE 18A

720

739

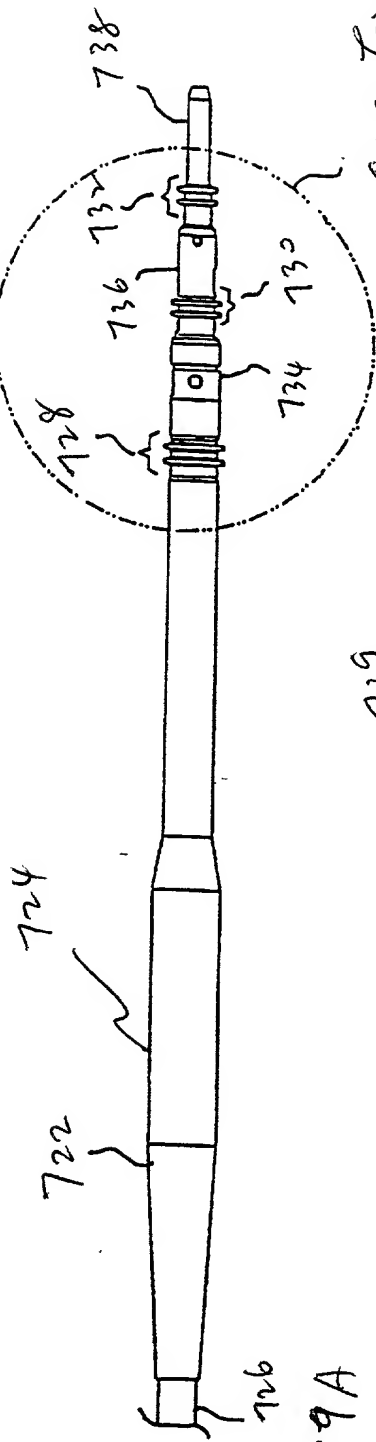


FIGURE 19A

739

See Figure 19B

734

19B

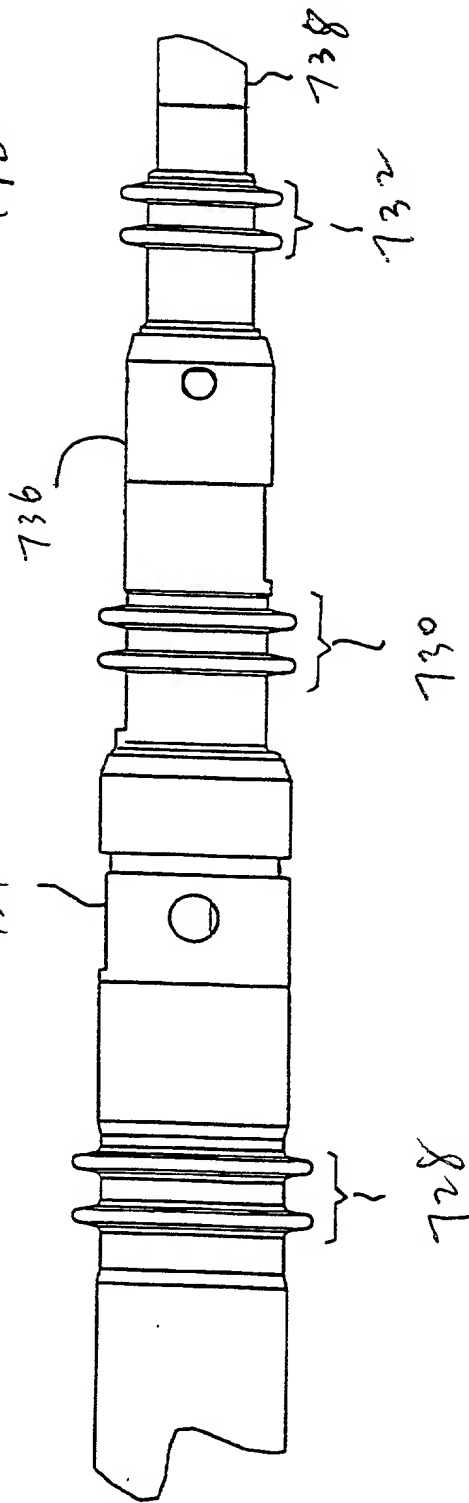


FIGURE 19B

